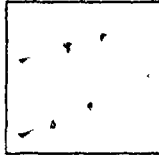


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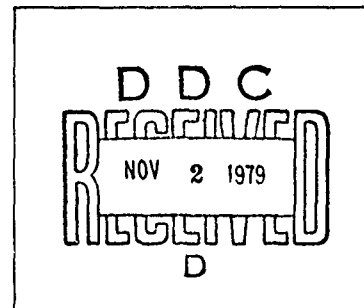
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**DATA PROCESSING DIVISION
ETAC, USAF
Air Weather Service (MATS)**

**REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS**

WACO TEXAS/JAMES CONNALLY AFB
N 38 38 W 97 04 ELEV 475 FT KWA0

WBAN 13928

PARTS A-F

FOR FROM HOURLY OBS: MAY 1942-OCT 1945,
DEC 1948-DEC 1964

FOR FROM DAILY OBS: MAY 1942-OCT 1945,
DEC 1948-MAY 1964

1 NOV 65

**FEDERAL BUILDING
ASHEVILLE, N. C.**

DISTRIBUTION STATEMENT A

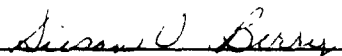
**Approved for public release;
Distribution Unlimited**

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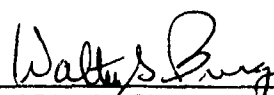
Review and Approval Statement

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This technical report has been reviewed and is approved for publication.


SUSAN V. BERRY, 2 Lt, USAF
Information Retrieval
Manager

FOR THE COMMANDER


WALTER S. BURGMANN
Scientific & Technical
Information Officer

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1 REPORT NUMBER USAFETAC/DS- 79/083	2 GOVT ACCESSION NO.	3 RECIPIENT'S CATALOG NUMBER															
4 TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- James Connally AFB, WACO, Texas		5 TYPE OF REPORT & PERIOD COVERED Final rept.															
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17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18 SUPPLEMENTARY NOTES																	
19 KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperature</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperature	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative humidity	*Climatological data	(over)
*RUSSWO	Daily temperature	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative humidity	*Climatological data	(over)															
20 ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for James Connally AFB, WACO, Texas. It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over))																	

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19. Percentge frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

* Texas

* James Connally AFB, TX

20. and dew-point temperatures and relative humidity); and (F) Pressure
Summary (means, standard, deviations, and observation counts of
station pressure and sea-level pressure). Data in this report are
presented in tabular form, in most cases in percentage frequency of
occurrence or cumulative percentage frequency of occurrence tables.

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REVISED
UNIFORM SUMMARY
OF
SURFACE WEATHER OBSERVATIONS

STA NO.	STATION NAME	LATITUDE	LONGITUDE	BAR. ELEV FT.	CALL SIGN	WMO NO.
13928	WACO TEXAS/JAMES CONNALLY AFB	N 31 38	W 097 04	475	KWAO	

PERIOD OF RECORD

FOR HOURLY OBSERVATIONS	MAY 42-OCT 45, DEC 48-DEC 64
FOR DAILY OBSERVATIONS	MAY 42-OCT 45, DEC 48-MAY 64

SUMMARIES

- PART A WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA
- PART B PRECIPITATION
SNOWFALL
SNOW DEPTH
- PART C SURFACE WINDS
- PART D CEILING VERSUS VISIBILITY
SKYCOVER
- PART E DAILY MAX, MIN, AND MEAN TEMPERATURES
EXTREME MAX AND MIN TEMPERATURES
PSYCHROMETRIC- DRY VS WET BULB
MEANS & STD DEV- DRY BULB, WET BULB, AND DEW POINT
RELATIVE HUMIDITY
- PART F STATION PRESSURE
SEA LEVEL PRESSURE

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MATS)
ASHEVILLE, NORTH CAROLINA

Revised UNIFORM SUMMARY of SURFACE WEATHER OBSERVATIONS

DESCRIPTION OF SUMMARIES:

Preceding each section is a brief description of the data comprising each part of the revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

HOURLY OBSERVATIONS are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

STANDARD 3-HOUR GROUPS All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

DATA PROCESSING DIVISION
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ASHEVILLE, NORTH CAROLINA

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle(glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combination of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be

reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

1
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WEATHER CONDITIONS

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,48-64

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.3	9.5	1.2	1.3	.0	11.7	13.9	.8	.0	.1	14.8	14071
FEB		.7	9.7	.5	.6		10.7	12.4	1.7	.0	1.6	15.6	12881
MAR		.9	6.6	.1	.2	.0	6.9	6.9	1.4		2.0	10.2	14133
APR		1.7	6.8			.0	6.8	4.6	.9		1.3	6.8	13679
MAY		2.1	5.3			.0	5.3	4.0	1.2		.4	5.5	14554
JUN		1.6	4.0				4.0	1.5	1.3		.0	2.7	14389
JUL		.9	2.1			.0	2.1	.7	.3		.0	1.1	14873
AUG		1.0	2.6				2.6	.7	.5		.0	1.1	14867
SEP		.7	4.5				4.5	2.7	.5		.0	3.2	14399
OCT		.9	4.5				4.5	4.0	1.5		.1	5.6	14878
NOV		.3	7.0	.1	.1	.0	7.1	7.1	1.6		.1	8.6	13677
DEC		.2	8.4	.3	.2		8.8	11.0	1.0		.7	12.7	14659
TOTALS		.9	5.8	.2	.2	.0	6.2	5.7	1.0	.0	.5	7.2	171060

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WEATHER CONDITIONS

13928

WACO TEXAS/JAMES CONNALLY AFB

43-45,49-64

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02	.5	8.7	1.4	1.0		10.8	14.0	.2			14.3	1767
	03-05	.3	12.8	1.1	.9		14.5	17.4	.2			17.5	1767
	06-08	.1	11.6	1.6	1.5		14.5	20.1	1.3		.1	21.4	1767
	09-11	.3	9.9	1.4	1.8		12.7	18.3	1.9		.2	20.3	1766
	12-14		9.2	1.0	2.1		12.0	11.0	1.0	.1		12.1	1767
	15-17	.3	8.4	.5	1.5	.1	10.1	9.6	.7	.1	.2	10.5	1757
	18-20	.3	7.8	1.1	.9		9.6	9.6	.7		.5	10.7	1740
	21-23	.3	7.5	1.1	.7		9.4	11.0	.4			11.4	1740
TOTALS		.3	9.5	1.2	1.3	.0	11.7	13.9	.8	.0	.1	14.8	14071

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WEATHER CONDITIONS

13928

WACO TEXAS/JAMES CONNALLY AFB

43-45,49-64

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
FEB	00-02	.9	9.7	.5	.9		10.8	11.9	.4		1.4	13.6	1611
	03-05	1.6	13.4	.4	.8		14.6	16.4	.3		1.6	18.1	1611
	06-08	1.0	13.2	.8	.9		14.6	20.6	1.6		1.1	23.1	1611
	09-11	.4	10.1	.7	.5		11.0	16.6	3.2	.1	1.4	21.1	1607
	12-14	.4	9.8	.4	.1		10.3	9.6	2.8		1.6	14.0	1609
	15-17	.4	8.0	.3	.4		8.6	7.8	2.2		1.8	11.7	1611
	18-20	.4	7.0	.4	.7		8.0	7.8	1.8		1.9	11.4	1610
	21-23	.6	6.4	.4	.7		7.4	8.5	1.1		1.7	11.3	1611
TOTALS		.7	9.7	.5	.6		10.7	12.4	1.7	.0	1.6	15.6	12881

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ASHEVILLE, N. C. 28801

WEATHER CONDITION

13928

WACO TEXAS/JAMES CONNALLY AFB

43-45,49-64

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAR	00-02	1.0	5.8	.2	.1		6.1	5.3	.6		2.2	8.1	1766
	03-05	1.5	9.3	.1	.1		9.5	9.8	.3		1.7	11.8	1767
	06-08	.5	8.8	.2	.3		9.3	16.1	2.5		1.2	19.5	1767
	09-11	.2	8.1	.1	.6		8.5	9.7	2.2		1.5	13.3	1767
	12-14	.4	6.5		.4		6.8	4.4	1.6		1.8	7.7	1767
	15-17	1.0	5.8		.1	.1	5.9	3.5	1.5		1.8	6.7	1767
	18-20	1.1	4.1			.1	4.1	3.3	1.8		2.7	7.8	1765
	21-23	1.3	4.6		.1		4.7	3.2	.8		2.9	6.9	1767
TOTALS		.9	6.6	.1	.2	.0	6.9	6.9	1.4		2.0	10.2	14133

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ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

13928

WACO TEXAS/JAMES CONNALLY AFB

43-45,4J-64

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02	1.2	4.9				4.9	2.2	.3		1.6	4.2	1710
	03-05	1.9	7.8				7.8	6.0	.5		1.5	8.0	1710
	06-08	1.8	8.9				8.9	12.6	1.8		1.5	15.9	1709
	09-11	1.2	5.9				5.9	6.0	2.2		1.2	9.3	1710
	12-14	1.5	7.0			.1	7.0	3.3	.9		1.2	5.4	1710
	15-17	1.9	7.3				7.3	2.9	.4		1.4	4.7	1710
	18-20	2.2	6.8			.1	6.8	2.6	.8		1.1	4.5	1710
	21-23	2.0	5.8				5.8	1.2	.5		1.1	2.7	1710
TOTALS		1.7	6.8			.0	6.8	4.6	.9		1.3	6.8	13679

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ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	2.8	5.1				5.1	2.3	.3		.4	3.0	1818
	03-05	1.4	5.6			.1	5.6	8.1	.3		.4	8.8	1818
	06-08	1.5	6.6				6.6	12.9	2.5		.5	15.7	1818
	09-11	1.1	5.7				5.7	3.5	2.3		.5	6.2	1818
	12-14	1.9	5.5			.1	5.5	1.8	1.3		.4	3.5	1821
	15-17	2.2	4.9			.1	4.9	1.3	.9		.5	2.6	1820
	18-20	3.0	4.5				4.5	.9	.9		.4	2.3	1821
	21-23	2.8	4.4				4.4	.9	.8		.3	2.0	1820
TOTALS		2.1	5.3			.0	5.3	4.0	1.2		.4	5.5	14554

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ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,49-64

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	1.4	2.9				2.9	.7	1.2			1.9	1799
	03-05	1.8	5.0				5.0	3.3	1.3			4.2	1799
	06-08	1.4	5.1				5.1	6.1	2.2			7.7	1798
	09-11	.8	3.9				3.9	1.1	1.5			2.6	1799
	12-14	1.0	3.5				3.5	.2	1.0			1.2	1799
	15-17	2.0	4.5				4.5	.1	1.2		.1	1.3	1800
	18-20	2.1	3.7				3.7	.3	1.1			1.4	1798
	21-23	2.6	3.5				3.5	.4	1.0			1.4	1797
TOTALS		1.6	4.0				4.0	1.5	1.3		.0	2.7	14389

1
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WEATHER CONDITIONS

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,49-64

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	MAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLowing SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-02	.3	1.0				1.0	.1				.1	1856
	03-05	.3	1.5				1.5	1.7	.4			2.1	1860
	06-08	.4	2.2				2.2	3.1	1.3			4.4	1860
	09-11	.6	2.7				2.7	.6	.2			.9	1859
	12-14	1.1	2.7				2.7	.2	.1			.2	1859
	15-17	1.9	2.7			.1	2.7	.1	.2		.2	.5	1860
	18-20	2.0	2.4				2.6	.1	.1			.2	1860
	21-23	.8	1.7				1.7	.1	.1		.1	.2	1859
TOTALS		.9	2.1			.0	2.1	.7	.3		.0	1.1	14873

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ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,49-64

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	.9	1.9				1.9	.4	.1			.5	1859
	03-05	.8	2.6				2.6	.6	.4			1.0	1856
	06-08	.6	3.4				3.4	3.6	2.0			5.5	1859
	09-11	.3	2.0				2.0	.6	.9			1.5	1860
	12-14	1.1	3.0				3.0	.1	.1			.2	1856
	15-17	1.8	3.2				3.2	.1	.1			.2	1860
	18-20	1.5	2.6				2.6		.1		.1	.1	1860
	21-23	.9	2.1				2.1		.1			.1	1857
TOTALS		1.0	2.6				2.6	.7	.5		.0	1.1	14867

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WEATHER CONDITIONS

13928

STATION

WACO TEXAS/JAMES CONNALLY AFB

STATION NAME

42-45,49-64

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.9	4.5				4.5	1.5	.1			1.6	1800
	03-05	.5	5.6				5.6	3.7	.2			3.8	1800
	06-08	.4	5.1				5.1	11.3	2.5			13.6	1799
	09-11	.3	4.4				4.4	2.9	1.0		.2	4.0	1800
	12-14	.5	3.9				3.9	.7	.2			.9	1800
	15-17	1.3	4.2				4.2	.7				.7	1800
	18-20	1.5	4.6				4.6	.8	.1			.9	1800
	21-23	.6	3.6				3.6	.2				.2	1800
TOTALS		.7	4.5				4.5	2.7	.5		.6	3.2	14399

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WEATHER CONDITIONS

13928

STATION

WACO TEXAS/JAMES CONNALLY AFB

STATION NAME

42-45,49-64

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	.9	4.1				4.1	2.3	.6			2.9	1859
	03-05	.5	4.6				4.6	5.8	.5			6.2	1860
	06-08	.6	5.6				5.6	14.3	3.3		.2	17.6	1860
	09-11	.8	4.7				4.7	4.8	3.1		.2	7.9	1860
	12-14	.5	4.0				4.0	1.5	1.7		.1	3.2	1860
	15-17	1.4	5.1				5.1	1.0	1.2		.1	2.3	1860
	18-20	1.1	4.5				4.5	1.1	1.1		.2	2.4	1859
	21-23	1.1	3.6				3.6	1.2	.8		.2	2.2	1860
TOTALS		.9	4.5				4.5	4.0	1.5		.1	5.6	14878

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WEATHER CONDITIONS

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44,49-64
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02	.4	6.7		.1	.1	6.8	6.2	.8			6.9	1709
	03-05	.4	7.8	.1	.1		7.9	10.0	1.0		.1	10.9	1709
	06-09	.3	8.3	.2	.2		8.6	16.5	1.7		.2	17.7	1710
	09-11	.1	7.2	.2	.3		7.4	9.6	2.9		.2	12.5	1710
	12-14	.4	6.8	.1	.1		6.9	3.6	2.1		.1	5.7	1710
	15-17	.2	6.7				6.7	3.7	1.8		.2	5.7	1710
	18-20	.3	5.6				5.6	3.0	1.2		.2	4.4	1710
	21-23	.4	6.5				6.5	3.9	1.1		.1	5.0	1709
TOTALS		.3	7.0	.1	.1	.0	7.1	7.1	1.6		.1	8.6	13677

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WEATHER CONDITIONS

13928

WACO TEXAS/JAMES CONNALLY AFB

42-44,48-64

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
DEC	00-02	.3	8.4	.3	.1		8.8	11.1	.4		.8	12.2	1860
	03-05	.5	9.3	.1	.1		9.5	12.7	.6		.8	14.1	1859
	06-08	.3	10.1	.3	.3		10.7	17.5	1.1		.9	19.5	1860
	09-11	.1	9.4	.2	.2		9.7	15.7	2.1		1.0	18.7	1859
	12-14	.3	8.3	.2	.2		8.6	8.3	1.6		.6	10.4	1859
	15-17	.2	6.1	.3	.2		6.5	6.5	1.1		.6	8.2	1828
	18-20		7.5	.4	.4		8.0	7.0	1.0		.5	8.4	1767
	21-23	.3	8.1	.3	.5		8.7	9.1	.4		.7	10.0	1767
TOTALS		.2	8.4	.3	.2		8.8	11.0	1.0		.7	12.7	14659

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed, "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WEAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

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WEATHER CONDITIONS

13928

WACO TEXAS/JAMES GONNALLY AFB

48-64

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	4.7	41.7	7.0	5.3	.2	42.3	38.6	4.1	.4		39.8	487
FEB		9.1	42.5	2.4	4.6	.9	43.4	39.6	9.7	.2	1.3	44.0	452
MAR		9.7	37.1	.4	1.4	1.6	37.3	28.6	7.1		1.0	32.7	496
APR		16.9	41.1			1.5	41.1	27.6	5.6		.8	30.3	479
MAY		18.6	37.0			2.0	37.0	26.9	8.7		.4	30.5	495
JUN		18.4	29.3			.4	29.3	13.8	4.4		.2	16.7	450
JUL		11.8	22.6		.2	.4	22.6	7.7	.9			8.4	465
AUG		12.0	21.9				21.9	6.5	3.9			9.9	465
SEP		10.0	30.0				30.0	19.3	5.3			22.4	450
OCT		8.6	27.7				27.7	24.3	7.1		.4	27.5	465
NOV		5.6	33.6	.2	1.3	.9	33.6	27.3	6.2		.4	29.1	450
DEC		3.4	33.6	1.2	1.8		33.3	30.1	6.3		.4	32.5	495
TOTALS		10.7	33.3	1.0	1.2	.7	33.4	24.3	5.8	.1	.4	27.1	5649

DATA PROCESSING DIVISION
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ASHEVILLE, NORTH CAROLINA

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
US Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956.

DATA PROCESSING DIVISION
ETAC, USAF
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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

13928 HAGO TEXAS/JAMES CONNALLY AFB 42-45, 48-64
STATION STATION NAME YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	59.8	17.1	2.2	5.6	3.4	4.4	2.9	3.1	1.5					23.1	589	2.06	6.31	.14
FEB	56.8	15.3	2.4	5.1	3.1	6.5	4.5	3.7	2.6					27.9	509	2.71	6.47	.35
MAR	60.3	16.3	3.9	4.4	2.5	4.8	3.7	1.5	2.2	.3				23.4	589	2.38	6.78	.07
APR	60.2	16.3	2.1	3.2	2.5	3.5	5.6	3.0	3.3	.4				23.5	570	3.38	13.08	.31
MAY	62.8	13.1	1.0	3.4	2.7	4.6	3.2	5.4	3.1	.7				24.1	589	4.21	11.87	1.50
JUN	70.3	9.5	1.1	2.1	1.9	4.6	4.2	3.0	3.2	.2				20.2	570	3.00	11.41	.15
JUL	75.0	11.9	.3	2.0	2.0	2.5	2.0	2.4	1.5	.2				13.1	589	1.80	5.10	TRACE
AUG	76.2	9.8	.7	2.4	2.0	2.0	1.9	3.6	1.2		.2			13.9	589	2.09	10.90	.09
SEP	69.4	11.9	1.9	3.9	2.6	1.9	2.8	2.6	2.6	.6				14.7	540	3.03	8.06	TRACE
OCT	72.0	9.8	1.4	3.1	1.7	3.4	3.7	2.4	2.0	.5				18.2	589	2.86	8.58	.00
NOV	65.9	12.9	2.2	4.9	2.0	2.7	4.1	3.9	1.0	.4				21.2	510	2.26	6.91	TRACE
DEC	65.4	14.1	1.4	3.4	2.7	4.1	3.4	3.1	1.9	.2				20.5	509	2.35	7.83	.07
ANNUAL	66.2	13.2	1.7	3.6	2.4	3.7	3.5	3.1	2.2	.3	.0			20.6	6822	32.13		

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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

13928 WACO TEXAS/JAMES CONNALLY AFB 48-64

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-03	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01 0 4	0 5 1 4	1 5 2 4	2 5 3 4	3 5 4 4	4 5 6 4	6 5 10 4	10 5 15 4	15 5 25 4	25 5 50 4	OVER 50 4					
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	94.6	4.2	.4	.2	.2	.2		.2						1.2	496	.8	6.4	.0
FEB	95.4	2.9	.7	.4	.4	.2								1.8	452	.6	2.9	.0
MAR	98.0	1.8		.2										.2	496	.1	1.3	.0
APR	99.6	.4													480	TRACE	TRACE	.0
MAY	99.0	1.0													496	TRACE	TRACE	.0
JUN	99.8	.2													450	TRACE	TRACE	.0
JUL	99.8	.2													465	TRACE	TRACE	.0
AUG	100.0														465	.0	.0	.0
SEP	100.0														450	.0	.0	.0
OCT	100.0														465	.0	.0	.0
NOV	98.6	1.4													420	TRACE	TRACE	.0
DEC	98.2	1.4	.2	.2										.4	496	.1	.8	.0
ANNUAL	98.5	1.2	.1	.1	.1	.0		.0						.3	5631	1.5		

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SNOWFALL

13928

48-64

STATION

STATION NAME

YEARS

[illegible]

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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWDEPTH
(FROM DAILY OBSERVATIONS)

12928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 48-64
YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-03	04-10	11-23	24-30	31-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-30.4	OVER 30.4					
SNOW DEPTH	NONE	TRACE	1	2	7	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	96.1	2.5	.3	.3	.3	.3								1.4	589			
FEB	96.8	1.5	1.1	.2	.4									1.7	537			
MAR	100.0														589			
APR	100.0														570			
MAY	100.0														589			
JUN	100.0														570			
JUL	100.0														589			
AUG	100.0														589			
SEP	100.0														570			
OCT	100.0														589			
NOV	100.0														510			
DEC	99.1	.5	.3											.3	589			
ANNUAL	99.3	.4	.1	.0	.1	.0								.3	6880			

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SNOWDEPTH
(FROM DAILY OBSERVATIONS)

42-45, 48-64

STATION

STATION NAME

YEARS

[illegible]

DATA PROCESSING DIVISION
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ASHEVILLE, NORTH CAROLINA

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. C

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

STATION NO: 13928	STATION NAME: WACO TEXAS/JAMES CONNALLY AFB	LATITUDE: N 38 38	LONGITUDE: W 97 04	BAROMETER ELEV FT 475	CALL SIGN: KWAQ	WMO NO:
STATION HISTORY AND WIND EQUIPMENT INFORMATION						
DATE OF CHANGE	TYPE OF STATION CHANGE	WIND EQUIPMENT LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HEIGHT ABOVE GROUND	
May 1942	Waco Army Airfield Wea Station	Not available	N/A	N/A	N/A	
8/1/48	Waco AFB Det 105-5	Not available	N/A	N/A	N/A	
6/30/49	Waco AFB Det 1921-5	Not available	N/A	N/A	N/A	
10/19/49	Connally AFB Det 1921-5	Not available	N/A	N/A	N/A	
3/30/53	James Connally AFB Det 8 16 Wea Sq	Top of operations building	ML 151-C ML 152-C	ML-144-B	35 Ft	
4/4/56	No change	No change	ML 151-B ML 152-B	No change	43 Ft	
4/4/58	Det 13 8 Wea Gp	750 Ft from center of active runway and 1700 Ft from north end of runway	AN/GMQ-11	R-02	13 Ft	
4/8/59	No change	Adjacent to and near center of runway	No change	No change	At Surface	
4/7/60	No change	No change	No change	No change	13 Ft	

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SURFACE WINDS

49-64

[illegible]

1210 WS FORM 0.88-5 (Oct 50)
JUL 44

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45, 48-64

ALL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.4	2.2	1.9	.7	.1	.0	.0				7.0	10.0
NNE	.5	1.1	1.9	1.3	.5	.1	.0					5.4	9.9
NE	.6	1.4	2.1	1.0	.2	.0	.0	.0				5.3	8.3
ENE	.4	.8	1.2	.4	.1	.0	.0					2.9	7.5
E	.6	1.1	1.0	.3	.0	.0	.0					3.1	6.5
ESE	.5	.9	.8	.2	.0	.0						2.4	6.5
SE	.9	1.8	1.8	.6	.1	.0	.0					5.1	6.8
SSE	1.1	2.9	4.3	2.2	.2	.0	.0					10.7	8.2
S	1.8	4.7	8.4	5.5	.9	.1	.0					21.3	9.0
SSW	.6	1.9	4.1	3.3	.8	.1	.0					10.8	10.0
SW	.3	.8	1.3	.7	.1	.0	.0	.0				3.3	8.7
WSW	.2	.4	.5	.2	.0	.0						1.3	7.4
W	.3	.6	.5	.2	.1	.0						1.7	6.9
WNW	.2	.5	.5	.3	.1	.0						1.5	3.1
NW	.3	.6	.8	.5	.1	.0	.0	.0				2.4	8.6
NNW	.4	.8	1.2	1.1	.5	.1	.0	.0				4.1	10.6
VARBL													
CALM												11.4	
	9.3	21.8	32.6	19.6	4.4	.7	.1	.0				100	7.7

TOTAL NUMBER OF OBSERVATIONS

171074

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

JAN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.3	3.6	3.9	1.7	.3	.0	.0				12.6	11.0
NNE	.4	1.3	2.7	2.6	1.4	.4	.0					8.9	11.6
NE	.5	1.4	2.0	1.0	.3	.1	.0					5.1	8.7
ENE	.3	.7	.8	.2	.0							2.1	6.8
E	.5	.7	.5	.2	.0							1.8	6.0
ESE	.3	.6	.5	.1	.0							1.6	6.4
SE	.6	1.0	1.0	.2	.0	.0						2.9	6.4
SSE	.8	2.0	2.0	.9	.1	.0						5.9	7.4
S	1.8	4.5	5.9	2.8	.6	.0						15.6	8.1
SSW	.8	2.0	3.7	3.0	1.1	.2	.0					10.8	10.1
SW	.3	.7	1.1	.8	.2	.0						3.0	9.0
WSW	.2	.5	.5	.2	.0							1.3	7.4
W	.3	.8	.9	.2	.0	.0						2.3	7.2
WNW	.3	.7	.7	.6	.1	.0						2.5	8.3
NW	.5	.8	1.3	1.1	.3	.1						4.0	9.4
NNW	.5	1.0	1.9	2.1	1.0	.3	.0					6.8	11.3
VARBL													
CALM												12.7	
	8.9	21.0	29.1	19.9	6.9	1.4	.1	.0				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

14071

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928

WACO TEXAS/JAMES CONNALLY AFB

43-45, 49-64

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.6	3.3	3.6	1.1	.3	.1	.0				10.8	10.9
NNE	.5	1.1	3.2	2.0	.6	.1						7.5	9.9
NE	.7	1.4	2.5	1.1	.3	.1						6.1	8.5
ENE	.5	.8	1.2	.3	.0	.0						2.8	6.8
E	.6	1.0	.9	.1	.0							2.7	6.0
ESE	.3	.8	.7	.3	.0							2.2	6.8
SE	.6	1.0	1.3	.6	.0							3.5	7.3
SSE	.7	1.7	2.4	1.3	.1	.0						6.2	9.1
S	1.5	3.3	5.3	3.8	.6	.1						14.4	9.0
SSW	.5	1.6	3.6	2.7	.8	.1	.0					9.4	10.3
SW	.2	.8	.9	.9	.3	.0						3.1	9.9
WSW	.2	.6	.7	.3	.1							1.9	8.1
W	.4	1.1	.8	.4	.1	.0						2.8	7.7
WNW	.2	.7	.7	.5	.2	.0						2.4	8.8
NW	.3	.7	1.6	1.1	.3	.0	.0	.0				4.1	9.8
NNW	.4	1.0	2.3	2.4	1.3	.2	.0					7.6	11.5
VARBL													
CALM												12.3	
	8.5	19.4	31.5	21.3	6.0	1.0	.1	.0				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

12886

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

MAR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.6	3.1	2.8	1.0	.3	.0	.0				9.5	10.8
NNE	.5	1.3	2.3	1.8	.9	.2	.1					7.1	10.7
NE	.8	1.4	2.5	1.2	.3	.0						6.2	8.4
ENE	.4	.7	1.4	.4	.0	.0						3.0	7.7
E	.5	1.0	1.1	.2	.0							2.9	6.8
ESE	.3	.7	.9	.2	.0							2.0	7.0
SE	.4	1.2	1.6	.6	.0							3.8	7.6
SSE	.8	2.1	3.9	2.6	.4	.1	.0					9.9	9.1
S	1.5	2.8	6.1	6.3	1.3	.2						18.2	10.1
SSW	.5	1.3	3.2	3.7	1.2	.3	.0					10.2	11.3
SW	.3	.4	.9	.8	.3	.0	.0	.0				2.6	10.3
WSW	.1	.3	.6	.4	.1	.0						1.5	9.2
W	.3	.5	.8	.5	.2	.0						2.3	9.5
WNW	.3	.5	.7	.7	.3	.1						2.5	10.4
NW	.3	.5	.9	.7	.2	.1						2.7	9.9
NNW	.3	.8	1.6	1.6	1.1	.4	.1	.0				5.9	12.3
VARBL													
CALM												9.7	
	8.0	17.0	31.5	24.5	7.3	1.7	.2	.0				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

14133

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.4	2.1	1.9	.7	.2	.1					6.7	10.3
NNE	.4	1.0	1.9	1.8	.8	.2						6.0	10.7
NE	.5	1.1	2.1	1.5	.5	.0						5.6	9.5
ENE	.3	.7	1.2	.5	.1	.0						2.8	8.2
E	.5	.7	1.3	.3	.0	.0						2.8	7.2
ESE	.2	.7	1.1	.5	.1	.0						2.6	7.9
SE	.5	1.2	2.0	.8	.1	.0						4.6	8.1
SSE	.7	2.6	6.0	4.8	.6	.0						14.8	9.7
S	1.0	2.9	7.7	8.1	1.9	.2						21.9	10.7
SSW	.4	1.5	3.1	3.5	1.2	.1						9.8	10.9
SW	.2	.6	1.0	.8	.2	.0						2.8	9.4
WSW	.2	.4	.4	.3	.0	.0						1.3	8.0
W	.2	.4	.5	.2	.1	.0						1.5	9.0
WNW	.1	.5	.5	.5	.2	.0						1.8	9.6
NW	.2	.5	.8	.5	.1	.0	.0					2.2	8.9
NNW	.3	.7	.9	1.2	.6	.2	.0					3.9	11.4
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	8.9	
	6.2	16.0	32.7	27.2	7.0	.9	.1					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

13678

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

ALL WEATHER
CLASS

ALL
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.9	1.1	.9	.2	.0						3.8	8.4
NNE	.5	1.0	1.4	.8	.2	.1						3.9	9.9
NE	.5	.9	1.7	.6	.1	.0						3.7	8.2
ENE	.5	.9	1.2	.4	.1	.0						3.1	7.5
E	.6	.9	.7	.2	.0	.0						2.5	6.3
ESE	.6	1.0	.7	.2	.0	.0						2.5	6.0
SE	.8	2.2	2.5	1.2	.2	.0						6.9	7.7
SSE	1.1	3.4	7.2	5.0	.5	.0						17.1	9.2
S	1.3	3.4	9.7	9.3	1.8	.1	.0					25.6	10.3
SSW	.3	1.4	3.8	3.8	1.2	.1	.0					10.6	11.0
SW	.1	.7	.9	.5	.1	.0						2.4	9.1
WSW	.2	.3	.4	.1	.0	.0						1.0	7.2
W	.2	.3	.4	.1	.0	.0						1.0	6.1
WNW	.1	.4	.6	.2	.1	.0						1.4	8.2
NW	.3	.4	.5	.3	.1	.0						1.6	8.2
NNW	.3	.5	.9	.8	.2	.0						2.7	9.5
VARBL													
CALM												10.3	
	7.9	18.6	33.6	24.4	4.8	.4	.0					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 14553

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.7	.9	.4	.1	.0	.0					2.5	7.7
NNE	.5	.6	.8	.4	.0	.0						2.3	7.5
NE	.6	.7	1.2	.3	.1	.0						2.9	7.0
ENE	.3	.6	.8	.2	.0	.0	.0					2.0	7.6
E	.8	1.1	1.2	.2	.0	.0	.0					3.3	6.4
ESE	.6	1.0	.8	.2	.0	.0						2.6	6.1
SE	1.4	2.4	2.8	1.0	.1		.0					7.7	7.0
SSE	1.3	3.8	7.7	3.9	.3							17.0	8.6
S	2.0	5.3	12.1	9.6	1.7	.1	.0					30.7	9.7
SSW	.5	1.7	4.8	5.0	.9	.1						13.0	10.7
SW	.2	.8	1.3	.8	.2	.0						3.2	9.0
WSW	.0	.2	.2	.1	.0	.0						.6	7.8
W	.2	.3	.3	.0	.0							.7	6.1
WNW	.1	.2	.1	.0	.0							.5	6.5
NW	.2	.3	.2	.0	.0							.8	5.8
NNW	.2	.4	.2	.3	.0	.0						1.2	7.6
VARBL													
CALM												8.7	
	9.4	20.2	35.3	22.5	3.5	.3	.0					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

14390

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (LST)

CONDITION

SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
DIR.													
N	.4	.4	.4	.2	.0	.0						1.5	6.8
NNE	.4	.5	.5	.2	.1	.0	.0					1.7	7.5
NE	.5	.9	1.4	.4	.1	.0		.0				3.3	7.5
ENE	.3	.6	1.1	.6	.1	.0						2.7	8.5
E	.7	.9	1.3	.2	.0	.0						3.3	7.0
ESE	.5	.8	1.1	.3	.0	.0						2.7	7.0
SE	1.2	2.1	2.1	.8	.0	.0						6.3	6.7
SSE	1.6	2.2	5.0	2.6	.2							13.6	7.7
S	2.7	7.6	14.0	6.8	.2	.0						31.6	8.3
SSW	.7	3.2	6.7	4.8	.4	.0						15.9	9.5
SW	.4	1.2	2.3	1.0	.1							5.0	8.4
WSW	.1	.5	.8	.1								1.5	7.2
W	.3	.5	.3	.0		.0						1.1	5.3
WNW	.1	.2	.2	.0								.5	6.0
NW	.2	.2	.2	.1	.0	.0						.6	6.2
NNW	.2	.2	.2	.1	.0							.8	6.9
VARIABLE													
CALM												8.0	
	10.3	23.9	37.5	18.4	1.8	.2	.0	.0				100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

14877

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

AUG
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.8	.7	.4	.0	.0						2.3	7.0
NNE	.4	.7	1.1	.5	.0	.0						2.8	7.7
NE	.5	1.2	1.5	.5	.0	.0						3.7	7.4
ENE	.5	.9	1.3	.4	.1	.0						3.1	7.6
E	.9	1.7	1.6	.4	.1	.0	.0					4.7	6.8
ESE	.7	1.2	1.4	.4	.0	.0						3.7	6.7
SE	1.0	2.6	2.8	.6	.0	.0						7.1	6.7
SSE	1.3	3.7	5.1	1.3	.1	.0						11.5	7.2
S	2.2	7.3	11.6	4.6	.4	.0						26.1	8.0
SSW	.9	3.1	6.6	4.0	.3	.0						15.0	9.0
SW	.4	1.5	2.6	.8	.0							5.2	7.9
WSW	.1	.6	.9	.2								1.8	7.4
W	.3	.4	.4	.0								1.1	5.7
WNW	.1	.2	.2	.0	.0							.6	6.4
NW	.2	.2	.3	.1	.0							.7	6.5
NNW	.2	.3	.5	.2	.0							1.2	7.2
VARBL													
CALM												9.4	
	10.2	26.3	38.4	14.2	1.2	.2	.0					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

14874

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

SEP
MONTH

ALL WEATHER
CLASS

CONDITION

ALL
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.2	1.8	.9	.1	.0						4.9	7.7
NNE	.7	1.5	2.1	1.0	.3	.1	.0					5.7	8.5
NE	1.0	2.4	3.6	1.3	.2	.0						8.5	7.7
ENE	.7	1.7	2.6	.7	.1	.0						5.2	7.4
E	1.2	2.3	1.8	.5	.1	.1						5.8	6.5
ESE	.8	1.8	1.2	.3	.0	.0						4.2	6.1
SE	1.7	2.8	2.0	.4	.0	.0						7.0	5.9
SSE	1.5	3.6	3.6	1.0	.0		.0					9.7	6.8
S	2.0	5.3	7.1	3.5	.3	.0						18.2	7.9
SSW	.6	1.5	3.2	1.8	.3	.0						7.7	8.7
SW	.3	.8	1.0	.3	.1							2.5	7.6
WSW	.2	.4	.3	.1								.8	6.2
W	.3	.5	.2	.0								1.1	5.1
WNW	.2	.4	.3	.0								1.0	5.5
NW	.4	.5	.3	.1	.0							1.3	6.0
NNW	.2	.5	.6	.5	.1	.0						2.0	8.8
VARBL													
CALM												14.2	
	12.7	27.6	31.1	12.5	1.7	.2	.0					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

14399

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

OCT
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.7	2.5	2.0	.4	.1						7.5	8.9
NNE	.7	1.4	2.2	1.6	.4	.1	.0					6.3	9.1
NE	.9	2.3	2.9	1.5	.2	.1						7.8	8.2
ENE	.5	1.0	1.3	.4	.1	.0						3.3	7.4
E	.8	1.4	.9	.4	.0	.0						3.5	6.2
ESE	.7	.8	.5	.1								2.2	5.4
SE	1.2	2.3	1.4	.2	.0							5.0	5.6
SSE	1.4	3.1	3.3	1.3	.1							9.2	7.1
S	1.9	4.9	7.1	3.2	.3	.0						17.4	8.0
SSW	.5	1.9	3.4	2.0	.4	.1						8.2	9.2
SW	.4	.9	1.3	.7	.1	.0						3.5	8.4
WSW	.3	.4	.3	.1	.0							1.0	6.2
W	.4	.7	.3	.1	.0							1.5	5.2
WNW	.2	.5	.3	.1	.0	.0						1.1	6.4
NW	.4	.8	.9	.3	.1	.0						2.5	7.1
NNW	.5	1.0	1.4	.8	.4	.1						4.2	9.1
VARBL													
CALM												15.8	
	11.6	25.0	29.9	14.6	2.5	.5	.0					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

14878

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 49-64
YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.3	3.3	3.1	1.5	.3	.1	.0				11.3	10.6
NNE	.4	1.3	2.0	1.6	.9	.2	.0					6.4	10.6
NE	.5	1.6	2.2	1.1	.4	.1						5.9	8.6
ENE	.3	.8	1.1	.3	.0							2.5	7.3
E	.4	.8	.7	.2								2.0	6.3
ESE	.3	.5	.5	.1	.0							1.4	6.4
SE	.5	1.7	1.0	.2	.0							3.5	6.1
SSE	.8	2.6	2.7	1.2	.1							7.4	7.4
S	1.5	4.5	7.0	4.3	.7	.1						18.1	8.8
SSW	.5	1.5	3.2	2.8	1.1	.1						9.2	10.5
SW	.3	.9	1.1	.9	.2	.0						3.4	8.8
WSW	.2	.6	.4	.1	.0							1.5	6.5
W	.4	1.0	.6	.2	.0	.0						2.3	6.6
WNW	.4	.8	.7	.2	.1	.0						2.1	6.9
NW	.5	1.1	1.5	.7	.2	.0						4.0	8.3
NNW	.5	1.2	1.8	1.6	.7	.2	.0					5.9	10.4
VARBL													
CALM												13.4	
	8.4	23.1	29.7	18.4	5.9	1.0	.1	.0				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

13677

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 48-64
YEARS

DEC
MONTH

ALL WEATHER
CLASS

ALL

HOURS (LST)

CONDITION

SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
DIR.													
N	.7	2.3	3.9	3.3	1.7	.4	.0					12.2	10.8
NNE	.5	1.2	2.4	2.1	.6	.1	.0					6.9	10.2
NE	.5	1.1	2.0	1.2	.1	.0						4.9	8.8
ENE	.2	.7	.8	.3	.0							2.0	7.5
E	.4	.6	.5	.1	.0							1.7	6.0
ESE	.4	.5	.3	.1								1.3	5.7
SE	.6	1.1	.8	.3	.0							2.8	6.6
SSE	.9	1.8	2.2	.8	.0							5.7	7.1
S	1.6	4.7	6.5	3.0	.6	.1						16.4	8.2
SSW	.7	1.9	3.4	2.3	.6	.2						9.1	9.5
SW	.4	.9	1.1	.5	.1							3.0	7.7
WSW	.3	.7	.6	.2	.0							1.7	7.0
W	.5	1.1	.9	.2	.1							2.7	6.7
WNW	.3	.7	1.0	.3	.1	.0						2.4	7.7
NW	.4	1.5	1.5	1.0	.4	.1						4.9	8.9
NNW	.6	1.5	2.6	2.3	1.0	.3	.0					8.3	9.7
VARBL													
CALM												14.0	
	8.8	22.1	30.4	18.3	5.3	1.1	.1					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 14658

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

JAN
MONTH

0000-0200
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.8	3.1	3.4	1.5	.3	.1					11.8	10.7
NNE	.5	1.5	2.8	2.0	.8	.5	.1					8.3	10.9
NE	.6	1.0	2.2	.7	.5	.1						4.9	8.9
ENE	.2	1.0	.5	.1								1.8	6.2
E	.6	.5	.2	.1								1.3	4.8
ESE	.5	.9	.3									1.7	4.9
SE	.5	1.2	1.0	.1	.1							2.8	6.4
SSE	.6	2.4	1.5	.7								5.2	6.9
S	2.4	5.4	6.0	2.2	.5							16.4	7.3
SSW	1.7	2.6	3.0	2.7	.5							10.5	8.5
SW	.2	1.0	.6	.3								2.0	7.0
WSW	.3	.1	.2									.6	4.5
W	.4	1.1	.8	.1								2.4	6.2
WNW	.6	.6	.5	.1		.1						1.9	6.5
NW	.6	.8	1.4	.8	.2							3.8	8.5
NNW	.5	.8	2.1	1.9	.5	.2						6.0	10.6
VA'BL													
CALM												18.7	
	10.5	23.7	26.0	15.2	4.6	1.1	.2					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

1767

1210 WS FORM 0-8-5 (Oct 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.3	4.0	3.6	1.8	.2						12.7	10.7
NNE	.5	1.7	2.7	2.5	1.3	.5						9.2	11.1
NE	.6	1.2	1.1	.6	.1							3.6	7.0
ENE	.2	.5	.5	.2								1.4	6.6
E	.4	.7	.5	.1								1.7	5.7
ESE	.3	.4	.3									1.0	5.2
SE	.5	1.0	1.1	.1								2.6	6.0
SSE	1.3	2.4	2.2	.7								6.6	6.4
S	2.1	4.7	5.2	1.5	.5							14.0	7.3
SSW	1.2	2.5	3.3	2.5	.2							9.8	8.2
SW	.7	.7	.9	.4								2.7	6.8
WSW	.1	.7	.1									.8	4.9
W	.7	1.0	1.0	.1								2.8	5.4
WNW	.5	.7	.7	.3	.1							2.2	6.8
NW	.8	1.2	1.6	1.1	.1	.1						4.9	8.1
NNW	.7	1.4	1.8	2.5	.5	.1						6.8	10.0
VARBL													
CALM												17.2	
	11.5	23.1	26.8	16.2	4.3	.8						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

1767

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	2.4	3.8	4.3	1.6	.2						13.2	10.8
NNE	.5	1.1	2.4	2.7	1.3	.6						8.6	11.9
NE	.6	1.5	1.2	.3	.1							3.7	6.7
ENE	.2	.5	.7	.2								1.6	7.0
E	.3	.5	.3	.2								1.3	5.7
ESE	.3	.4	.7	.2								1.6	7.0
SE	.7	.8	.6	.1								2.2	5.1
SSE	1.1	2.2	1.9	.4								5.5	6.2
S	2.3	5.8	5.5	1.4	.2							15.2	6.7
SSW	1.4	2.1	3.6	2.5	.5	.1						10.1	8.7
SW	.2	.8	.7	.3								2.1	7.5
WSW	.2	.6	.4	.1								1.3	6.3
W	.3	1.1	.6	.1	.1							2.1	5.9
WNW	.8	1.3	.8	.5	.1							3.5	6.3
NW	.7	1.2	1.5	1.1	.3	.1						5.0	8.7
NNW	.8	1.3	1.9	2.4	.7	.2						7.4	10.4
VAREL													
CALM												15.6	
	11.5	23.5	26.8	16.7	4.6	1.2						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

1767

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.6	3.7	4.5	2.0	.7						13.4	11.6
NNE	.2	1.0	2.2	3.0	1.8	.5						8.6	12.8
NE	.5	1.4	2.2	1.5	.3	.2						6.0	9.5
ENE	.2	.6	.3	.3								1.5	6.7
E	.4	.6	.6	.2								1.9	6.3
ESE	.3	.6	.5	.5								1.9	7.3
SE	.3	.6	1.0	.7								2.5	8.3
SSE	.7	1.9	2.2	.8	.1							5.7	7.4
S	1.9	3.7	7.1	3.0	.3	.1						16.1	8.3
SSW	.2	2.1	5.0	3.3	2.0	.2						12.9	10.9
SW	.2	.7	1.6	.8	.3							3.6	9.7
WSW	.3	.7	.7	.2								1.9	6.6
W	.2	.6	.9	.5	.1							2.2	8.0
WNW	.4	1.0	.7	1.0	.3							3.3	8.8
NW	.2	.8	1.0	1.5	.3	.3						4.2	10.7
NNW	.4	.8	2.0	2.7	1.4	.5						7.8	12.4
VARBL													
CALM												6.5	
	7.5	18.7	31.7	24.3	8.9	2.4						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

1766

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 26801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.4	4.0	4.2	2.3	.2						12.4	12.0
NNE	.3	.7	2.3	3.3	1.5	.1						8.3	12.1
NE	.3	.9	2.4	1.6	.6	.1	.1					5.9	10.6
ENE	.3	.5	.7	.4	.1							2.0	8.1
E	.4	.5	.8	.3								2.0	7.4
ESE	.3	.6	.8	.1								1.8	6.9
SE	.5	1.0	.6	.1								2.2	5.5
SSE	.3	1.2	1.9	1.3	.5							5.1	9.5
S	.6	2.5	5.5	4.1	.5	.2						13.5	9.7
SSW	.4	1.8	4.8	4.8	3.0	.8	.1					15.6	12.5
SW	.1	.7	1.9	2.2	.7	.1						5.8	11.2
WSW	.1	.3	1.4	.6	.2							2.6	9.8
W	.2	.6	1.6	.6	.1	.1						3.1	9.6
WNW	.1	.3	1.1	1.2	.2	.1						3.1	10.6
NW	.2	.1	1.7	1.6	.6	.1						4.3	12.0
NNW	.3	.7	2.2	2.2	1.8	.6						7.8	12.8
VARBL													
CAV												4.6	
	4.8	13.8	33.7	28.6	12.0	2.4	.1					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

1767

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928 STATION WACO TEXAS/JAMES CONNALLY AFB 43-45, 49-64 YEARS
ALL WEATHER CLASS
CONDITION
JAN MONTH
1500-1700 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.8	3.6	4.1	2.1	.3						12.4	11.8
NNE	.4	1.4	3.0	2.6	2.0	.3						9.7	11.0
NE	.4	1.5	2.8	1.9	.2	.1						7.0	9.5
ENE	.3	.7	1.2	.1								2.3	6.6
E	.6	.6	.7	.3	.1							2.2	6.8
ESE	.5	.5	.6	.1								1.6	6.0
SE	.5	.8	1.2	.2	.1							2.8	7.0
SSE	.5	2.0	2.6	1.6	.2	.1						6.9	8.8
S	.5	3.2	5.9	4.2	1.9	.1						15.8	10.2
SSW	.2	1.0	4.1	4.3	2.2	.2						11.9	12.1
SW	.2	.3	1.2	1.6	.2							3.5	10.8
WSW	.1	.5	.6	.5								1.6	8.6
W	.2	1.0	.7	.7	.2							2.7	8.6
WNW	.2	.6	1.0	1.0	.2							3.0	9.4
NW	.4	1.0	1.3	1.1	.3							4.0	9.3
NNW	.4	.7	2.1	1.9	1.2	.6	.1					7.0	12.4
VARBL													
CALM												5.5	
	5.8	17.5	32.7	26.1	10.8	1.6	.1					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 1758

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

JAN
MONTH

ALL HEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.3	3.7	3.2	1.6	.2						13.3	9.8
NNE	.3	1.3	2.7	2.6	1.2	.3	.2					8.6	11.8
NE	.7	1.8	2.0	1.0	.1	.1						5.6	7.6
ENE	.3	1.1	1.6	.3								3.3	7.1
E	.5	1.2	.3		.1							2.1	4.9
ESE	.2	1.3	.5	.1	.1							2.1	5.5
SE	1.0	1.1	1.0	.4								3.6	6.4
SSE	1.0	2.5	2.6	.6	.1							6.7	6.8
S	2.4	5.6	6.3	2.9	.3	.1						17.7	7.5
SSW	.9	1.4	2.9	2.1	.2							7.5	8.8
SW	.1	.6	1.3	.2								2.1	7.5
WSW	.1	.4	.2	.1								.9	6.6
W	.2	.5	.6									1.2	6.0
WNW	.1	.8	.2	.2	.2							1.5	8.0
NW	.4	.7	1.0	.9	.1							3.0	8.5
NNW	.6	1.1	2.0	1.6	.9							6.1	10.1
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	14.6	
	10.1	24.7	28.9	16.0	4.8	.6	.2					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

1740

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

JAN
MONTH

2100-2300
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.9	2.6	3.7	1.1	.3	.3	.1				11.9	10.7
NNE	.9	1.8	3.1	2.3	1.6	.5						10.1	10.9
NE	.6	1.4	1.8	.2	.3							4.4	7.6
ENE	.5	.9	1.3	.1								2.7	6.2
E	.5	1.0	.3	.3								2.1	6.0
ESE	.3	.5	.3	.2								1.3	6.4
SE	.9	1.3	1.7	.2		.1						4.2	6.4
SSE	1.0	1.7	1.6	.8	.2							5.2	7.4
S	2.0	5.1	5.3	3.5	.6							16.4	8.0
SSW	.7	2.4	2.9	1.5	.3							7.7	8.3
SW	.3	.8	1.0	.2								2.4	6.5
WSW	.1	.4	.4	.1								1.0	6.4
W	.2	.8	.8									1.8	6.0
WNW	.1	.3	.4	.3	.1	.1						1.3	10.1
NW	.5	.5	1.0	.7	.2							2.9	9.0
NNW	.4	1.3	1.5	1.5	1.0	.1						5.8	10.9
VARBL												18.7	
CALM													
	9.9	23.1	26.0	15.6	5.3	1.0	.3	.1				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

1739

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

FEB
MONTH

0000-0200
HOURS (L S T.)

ALL WEATHER
CLASS

CONTRIBUTION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	2.0	2.8	3.2	.3	.1	.1					9.4	9.6
NNE	.5	.7	3.0	1.4	.4	.1						6.2	9.6
NE	.9	1.1	2.5	.6	.2							5.4	7.8
ENE	.6	.9	.7	.1								2.3	5.6
E	.5	.9	.8	.1								2.2	5.9
ESE	.4	.4	.5	.4								1.7	6.9
SE	.4	1.1	.9	.4								2.5	7.0
SSE	.9	1.5	1.9	.7	.1							5.2	7.3
S	1.7	4.5	6.0	3.5	.5							16.1	8.2
SSW	.4	2.1	4.2	2.2	.4							9.4	9.1
SW	.2	.7	1.0	.6								2.5	8.4
WSW	.3	.5	.4	.1								1.3	6.0
W	.6	2.4	.8	.1								4.0	5.4
WNW	.3	.9	.4	.1	.1							1.8	6.5
NW	.6	.9	1.8	.9	.2			.1				4.5	9.2
NNW	.6	1.0	1.9	2.0	.8	.1						6.5	10.3
VARBL													
CALM												18.7	
	10.0	21.5	29.8	16.3	3.2	.3	.1	.1				100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

1611

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WAGO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

FEB
MONTH

0300-0500
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.9	3.4	3.3	.6	.1	.1					10.0	10.2
NNE	.6	.7	2.9	1.9	.6							6.8	9.8
NE	.7	1.2	2.0	1.1	.1	.1						5.2	8.5
ENE	.5	.5	.8	.2	.1							2.0	6.7
E	1.1	.9	.7	.2								2.8	5.3
ESE	.3	.6	.9	.1								2.0	6.1
SE	.4	1.1	1.3	.4								3.2	6.9
SSE	.9	1.6	.9	.4								3.7	6.0
S	2.2	3.8	5.5	2.8	.1							14.3	7.6
SSW	.7	2.1	4.0	1.6	.4							8.8	8.5
SW	.1	.8	.9	.3								2.2	7.4
WSW	.4	.6	.7									1.7	5.8
W	.6	1.5	1.3	.2								3.5	6.2
WNW	.2	1.1	1.2	.2								2.8	6.9
NW	.6	.9	.9	1.3	.4	.1						4.2	9.7
NNW	.4	1.4	2.9	1.9	1.1	.1						7.7	10.4
VARBL													
CALM												19.0	
	10.4	20.7	30.3	15.7	3.5	.3	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

1611

ATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.2	3.5	3.4	1.1	.2	.1	.1				10.2	11.2
NNE	.9	1.6	3.0	2.0	.1							7.6	8.5
NE	.6	.8	2.2	1.2	.1							4.8	8.4
ENE	.9	.8	1.3	.3								3.3	6.4
E	.6	1.0	.6	.1								2.3	5.2
ESE	.3	1.0	.6	.2								2.2	6.5
SE	.8	.7	1.6	.2								3.2	6.5
SSE	.7	1.9	2.0	.4								5.1	6.6
S	2.0	4.6	5.1	1.9	.1							13.7	7.2
SSW	.8	1.9	3.4	1.9	.3							8.3	8.5
SW	.2	.8	.6	.2								1.8	6.8
WSW	.2	.7	.6	.1								1.7	6.5
W	.6	1.3	1.5	.3								3.7	6.6
WNW	.4	1.2	1.0	.1	.1							2.8	6.6
NW	.7	1.4	1.9	1.3	.5							5.8	8.8
NNW	.7	1.4	2.5	3.0	1.5							9.1	10.8
VARBL													
CALM												14.5	
	11.4	22.2	31.2	16.7	3.8	.2	.1	.1				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

1611

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.4	2.4	4.3	2.1	.2						11.0	12.1
NNE	.4	.8	2.4	2.0	.7	.1						6.5	10.7
NE	.4	1.2	3.1	1.7	.7	.1						7.2	9.7
ENE	.3	.7	1.7	.4								3.2	7.9
E	.2	.9	1.6	.4	.1							3.2	7.5
ESE	.1	1.1	1.0	.4	.1							2.6	7.5
SE	.3	.7	1.5	1.3	.1							4.0	9.1
SSE	.2	1.4	2.6	1.7	.1							6.0	9.0
S	.9	2.3	5.0	4.3	.2	.1						13.1	9.7
SSW	.7	1.4	3.4	3.9	.9	.5	.1					10.7	11.3
SW	.4	1.0	1.1	1.2	.4	.1						4.2	10.0
WSW	.1	.6	1.1	.5	.3							2.6	9.6
W	.1	.9	.9	.7	.1	.1						2.8	9.3
WNW	.2	.4	1.1	.7	.4							2.8	10.4
NW	.1	.7	1.8	1.5	.6							4.8	10.8
NNW	.2	.7	2.6	3.1	1.7	.4						8.7	12.9
VARBL												6.6	
CALM													
	5.3	16.2	33.3	28.2	8.6	1.6	.1					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

1611

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928 STATION WACO TEXAS/JAMES CONNALLY AFB 43-45, 49-64 YEARS FEB MONTH 1200-1400 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.6	3.7	3.8	1.6	.5	.1					12.1	11.6
NNE	.4	1.2	2.3	2.0	1.5	.2						7.6	11.4
NE	.4	.9	2.1	1.7	.3	.1						5.7	9.9
ENE	.4	.7	1.2	.5								2.8	7.6
E	.9	.8	.9	.2								2.9	6.0
ESE	.1	1.2	.9	.2	.1							2.5	7.0
SE	.1	.7	1.0	.6	.1							2.4	8.7
SSE	.6	1.6	1.9	2.2	.3	.1						6.6	9.4
S	.7	1.6	3.7	7.0	1.2	.2						14.5	11.5
SSW	.3	.7	2.9	4.3	2.1	.5						10.9	13.0
SW		.5	1.6	2.2	.7	.1						5.1	12.0
WSW	.1	.3	1.9	.9	.2							3.4	9.7
W	.2	.5	.7	1.1	.4	.1						3.0	11.6
WNW	.1	.5	.6	1.1	.4	.1						2.7	11.5
NW	.2	.8	1.6	1.6	.2	.2						4.5	10.8
NNW	.1	.9	2.5	3.5	1.9	.4						9.3	12.8
VARBL													
CALM												4.0	
	5.3	14.7	29.6	32.9	10.9	2.5	.1					100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 1610

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45.49-64
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.1	3.2	4.7	1.3	.4						11.2	11.8
NNE	.2	.5	4.2	2.6	1.1	.3						8.9	11.6
NE	.7	1.4	3.0	1.7	.4	.2						7.6	9.3
ENE	.4	.9	1.3	.3	.1	.1						3.0	7.8
E	.4	1.1	1.2	.2								3.0	6.5
ESE	.2	.8	.9	.3								2.2	7.3
SE	.7	.7	1.6	.6	.1							3.6	7.6
SSE	.4	1.1	2.5	2.4	.4	.1						7.0	10.1
S	.6	1.6	5.8	4.9	1.0	.4						14.4	11.1
SSW	.4	1.4	3.3	4.2	1.9	.2						11.4	11.9
SW	.2	.8	.7	2.0	.6	.1						4.5	11.6
WSW	.1	.7	.5	.7	.2							2.2	9.7
W	.1	.3	.7	.6	.3							2.0	10.8
WNW		.6	.8	1.1	.3	.1						2.9	11.2
NW		.7	1.9	1.4	.4							4.5	10.4
NNW	.3	.9	2.0	2.8	1.6	.4	.1					8.0	12.6
VARVL												3.7	
CALM													
	5.3	14.7	33.6	30.6	9.7	2.2	.1					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

1611

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

FEB
MONTH

1800-2000
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	1.6	4.4	2.9	.7	.3	.1					11.1	10.0
NNE	.6	1.9	3.5	1.9	.3							8.3	8.9
NE	1.4	1.9	3.4	.7	.2							7.6	7.1
ENE	.9	1.1	1.4	.3								3.7	6.3
E	.6	1.4	.7	.1								2.7	5.3
ESE	.6	.6	.7	.2	.1							2.1	6.4
SE	.8	1.9	1.7	.5								4.9	6.7
SSE	1.0	2.7	3.7	1.6	.1							9.1	7.7
S	1.7	4.0	4.6	2.8	.7							13.9	8.3
SSW	.4	1.6	3.5	1.7	.2							7.4	9.1
SW	.1	1.0	.8	.3	.4							2.5	9.2
WSW	.2	.4	.1	.1								.9	5.8
W	.4	.7	.3	.3	.1							1.8	6.8
WNW	.5	.6	.4	.2	.2							2.0	7.3
NW	.1	.2	1.2	.5	.1							2.0	9.4
NNW	.6	1.2	2.4	1.8	.7	.3						7.1	10.5
VARBL													
CALM												12.9	
	10.9	22.9	32.9	16.0	3.7	.6	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 1610

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

FEB
MONTH

2100-2300
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.9	3.3	2.9	1.2	.2	.1					10.9	10.0
NNE	.6	1.6	3.8	1.9	.4							8.3	8.9
NE	.7	2.4	1.7	.4	.2							5.5	6.8
ENE	.4	.9	1.0	.1								2.4	6.2
E	.7	.9	.7									2.4	5.5
ESE	.4	1.0	.4	.3								2.1	6.1
SE	.9	1.4	1.1	.6								3.9	6.4
SSE	.6	1.9	3.8	.9	.1							7.3	7.7
S	1.9	3.7	6.4	2.9	.6	.1						15.5	8.4
SSW	.5	1.8	4.2	1.7	.4							8.6	9.2
SW	.2	.8	.6	.3	.2							2.1	8.7
WSW	.1	1.1	.2	.1	.1							1.7	6.8
W	.2	.9	.4		.1							1.6	6.7
WNW	.2	.6	.3	.4								1.5	8.1
NW	.1	.4	1.7	.6			.1					2.7	9.5
NNW	.4	.8	1.5	1.1	.8	.1						4.7	10.5
VARBL													
CALM												18.7	
	9.2	22.0	31.0	14.3	4.2	.4	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

1611

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MFAN WIND SPEED
N	1.0	1.9	3.6	1.6	.4	.3						8.8	9.0
NNE	.8	1.8	2.3	1.3	.7	.1	.1					7.1	9.4
NE	.8	1.6	2.7	.8	.3							6.2	8.0
ENE	.4	.5	.9	.2								1.9	6.7
E	.6	.9	.8	.2								2.4	5.9
ESE	.4	.4	.7	.2								1.6	6.7
SE	.3	1.0	.7	.6								2.6	7.3
SSE	1.1	1.9	3.7	2.3	.2							9.3	8.4
S	1.8	4.0	7.2	6.6	1.3	.1						21.0	9.6
SSW	.6	1.4	3.1	2.9	.8	.2	.1					9.0	10.8
SW	.2	.6	.8	.2								1.9	7.3
WSW	.1	.4	.2	.1								.8	5.8
W	.3	.5	.5	.3								1.5	7.0
WNW	.4	.5	.8	.2	.1							1.9	7.2
NW	.3	.8	.6	.5	.1	.1						2.3	8.4
NNW	.3	.9	1.5	1.0	.9	.2	.2					5.0	11.9
VARBL													
CALM												16.7	
	9.5	19.0	30.0	18.9	4.8	.9	.3					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

1766

1210 WS - FORM JUL 64 0-8-5 (D-1 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.8	3.3	2.1	1.0	.3						9.3	10.1
NNE	1.3	1.8	2.5	1.1	.5	.2	.1					7.5	8.8
NE	1.0	1.6	2.5	.7	.4							6.2	7.9
ENE	.5	.4	.7	.1								1.6	5.8
E	.3	.8	1.0	.2								2.3	6.7
ESE	.2	.6	.5									1.3	5.4
SE	.3	1.2	.8	.1	.1							2.5	6.8
SSE	.7	2.2	4.0	1.5	.2							8.6	8.3
S	2.2	3.5	6.2	5.1	.6	.1						17.7	8.8
SSW	.8	1.6	4.1	2.7	.5							9.7	9.3
SW	.7	.6	.6	.1	.2							2.1	6.2
WSW	.2	.4	.7	.2								1.4	7.4
W	.3	.6	.5	.2								1.5	6.5
WNW	.6	.8	.7	.3	.1							2.5	7.0
NW	.7	.9	1.0	.5	.2	.1						3.4	7.9
NNW	.6	1.2	1.3	1.0	1.2	.5						5.8	11.4
VARIABLE													
CALM												16.5	
	11.1	19.9	30.6	15.6	5.0	1.2	.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

1767

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 23801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.9	3.2	2.3	1.2	.5	.1					10.4	10.3
NNE	.2	1.6	2.2	1.6	.7	.3	.2					6.8	10.9
NE	.6	1.6	2.5	.9	.2	.1						5.9	8.1
ENE	.5	.6	1.5	.1	.1							2.7	7.1
E	.2	1.1	1.2	.1								2.6	6.8
ESE	.4	.8	1.0	.3								2.5	6.6
SE	.5	1.1	1.2	.2	.1							3.0	6.9
SSE	1.1	2.5	4.0	1.0	.5							9.1	7.7
S	1.9	2.6	5.6	4.6	.2							14.9	8.7
SSW	1.0	2.0	4.8	3.2	.3							11.2	9.2
SW	.2	.3	.8	.3	.1							1.7	8.5
WSW	.2	.6	.7	.3	.1							1.8	7.7
W	.5	.9	.6	.2	.1							2.2	6.6
WNW	.3	1.0	1.0	.3								2.6	6.9
NW	.6	.9	1.2	.7	.2	.1						3.7	8.4
NNW	.6	.9	1.9	1.4	1.6	.3						6.7	11.9
VARBL													
CALM												12.2	
	9.7	20.6	33.3	17.6	5.0	1.3	.2					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

1767

DATA PROCESSING DIVISION
ETAC, USAF
ASHVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.1	2.5	3.3	1.5	.3	.1					9.2	12.4
NNE	.1	.5	1.6	3.0	1.7	.3	.1					7.4	13.6
NE	.3	.9	2.0	1.4	.4							5.0	9.8
ENE	.3	.5	1.9	.6								3.3	8.6
E	.6	1.2	1.6	.4								3.8	7.1
ESE	.2	.3	1.8	.5	.1							2.8	8.9
SE	.2	.7	2.4	.8								4.1	8.6
SSE	.6	1.4	4.0	2.7	.4	.1						9.2	9.6
S	.6	2.3	5.3	6.5	1.1	.2						15.9	10.8
SSW	.4	1.2	4.4	5.7	2.0	.2						13.9	12.0
SW	.4	.5	1.0	2.0	.5	.1						4.5	11.4
WSW	.1	.3	.6	.6	.1	.1						1.7	10.5
W	.2	.3	1.2	.7	.2	.1						2.7	9.9
WNW	.2	.5	.3	1.1	.5	.1						2.6	12.1
NW	.1	.3	1.2	1.0	.4	.2						3.2	11.6
NNW	.1	.5	1.9	2.4	2.0	.4						7.1	13.7
VARBL													
CALM												3.6	
	4.7	12.5	33.5	32.8	10.7	2.1	.2					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

1767

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

MAR
MONTH

1200-1400
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.0	2.9	4.2	1.2	.5		.1				10.1	12.2
NNE	.2	.6	1.9	1.0	1.2	.5	.1					5.4	12.7
NE	.6	.8	2.3	2.3	.3							6.3	9.6
ENE	.2	.6	1.9	.8	.1	.1						3.7	9.3
E	.2	.7	1.0	.1	.1							2.2	7.8
ESE	.2	.7	1.0	.3	.1							2.2	7.9
SE	.5	1.0	1.6	.9	.1							4.1	8.1
SSE	.4	1.3	2.7	3.2	.5	.1						8.2	17.5
S	.7	1.8	4.8	7.6	2.1	.3						17.3	11.7
SSW	.2	1.2	2.8	6.2	2.7	.9						14.0	13.4
SW	.2	.1	1.6	1.6	1.0	.2	.1					4.7	13.1
WSW	.1	.2	.7	1.1	.3							2.4	11.5
W	.3	.2	.8	1.1	.8	.2						3.5	12.8
WNW	.1	.2	.6	1.5	.6	.2						3.2	13.4
NW	.1	.2	.6	.7	.3	.1						2.1	12.0
NNW	.2	1.0	2.0	2.7	1.1	.7	.1					7.8	12.9
VARBL													
CALM												2.8	
	4.4	11.7	29.3	35.4	12.3	3.7	.2	.1				100.0	11.3

TOTAL NUMBER OF OBSERVATIONS

1767

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEAR

MAR
MONTH

1500-1700
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.9	3.2	3.7	1.2	.1	.1					9.6	11.5
NNE	.1	1.0	2.7	2.5	1.0	.1	.1					7.6	11.6
NE	.4	1.1	2.9	1.9	.6							7.0	9.8
ENE	.2	.3	1.8	.8	.2	.1						3.4	10.1
E	.2	.6	1.2	.5								2.5	8.0
ESE	.3	.6	1.0	.3								2.1	7.3
SE	.3	1.2	1.8	.9	.1							4.2	8.2
SSE	.4	1.2	3.3	3.7	.6	.1						9.2	10.6
S	1.0	1.5	5.5	7.9	2.5	.3						18.7	11.9
SSW	.2	.8	2.5	5.3	1.8	.6	.1					11.2	13.4
SW	.1	.3	1.1	1.2	.3							3.1	11.0
WSW	.2	.2	1.0	.7	.2	.1						2.2	10.5
W	.1	.4	1.1	1.1	.5	.1						3.3	11.3
WNW	.2	.3	.7	1.2	.9	.3						3.6	13.4
NW	.1	.3	.6	1.2	.5							2.7	12.1
NNW	.3	.6	1.5	2.5	.9	.6	.1	.1				6.6	13.1
VARBL												3.0	
CALM													
	4.5	11.3	31.9	35.4	11.2	2.3	.3	.1				100.0	11.0

TOTAL NUMBER OF OBSERVATIONS

1767

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

MAR

MONTH

1800-2000

HOURS (LST.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.7	2.8	2.9	.8	.3						9.2	10.7
NNE	.5	1.6	3.1	2.2	.5	.1						8.0	9.7
NE	.7	1.8	2.7	.8	.1							6.2	7.6
ENE	.7	1.7	1.8	.2								4.4	6.3
E	1.0	1.6	1.4	.1	.1							4.1	6.2
ESE	.5	1.0	.4	.1								2.0	5.1
SE	.6	1.9	2.4	.8	.1							5.7	7.5
SSE	1.4	3.6	5.2	2.7	.3	.2						13.4	8.3
S	1.5	3.3	7.1	5.8	.8	.2						18.6	9.7
SSW	.5	1.0	2.3	2.0	.6							6.5	10.0
SW	.2	.4	.4	.2	.1							1.2	8.0
WSW	.1	.3	.6	.1								1.1	7.1
W	.2	.2	.7	.3	.1							1.6	9.0
WNW	.2	.5	.9	.4	.2							2.2	9.5
NW	.2	.5	.7	.7	.2	.1						2.4	10.2
NNW	.5	.5	1.8	1.4	.5	.2	.2					5.0	11.1
VARBL													
CALM												8.4	
	9.2	21.6	34.3	20.7	4.4	1.1	.2					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

1765

1210 WS FORM 0-8-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

MAR
MONTH

2100-2300
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.3	3.3	2.5	.8	.3						9.9	9.8
NNE	.7	1.8	2.4	1.3	.8							7.1	9.1
NE	1.8	1.9	2.7	.4	.1							6.8	6.3
ENE	.7	1.1	.9	.3								3.0	5.9
E	.8	1.1	.8	.2	.1							2.9	6.1
ESE	.2	.8	.7	.1								1.8	6.2
SE	.7	1.4	1.8	.2								4.0	6.7
SSE	.9	2.8	4.1	3.7	.7	.1	.1					12.4	9.5
S	2.7	3.1	7.2	6.7	1.4	.3						21.5	9.8
SSW	.6	1.0	1.9	1.8	.6	.1						5.9	10.3
SW	.1	.3	.5	.3	.1			.1				1.4	10.3
WSW	.1	.2	.2	.1								.5	7.2
W	.2	.6	.7	.3								1.8	7.8
WNW	.1	.2	.3	.3	.1	.1						1.1	10.8
NW	.2	.3	1.0	.5	.1	.1						2.2	9.2
NNW	.1	.7	1.1	.6	.5	.2	.1					3.3	11.6
VARBL													
CALM												14.3	
	10.6	19.5	29.5	19.4	5.2	1.2	.2	.1				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

1767

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

APR
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.4	2.0	1.2	.3	.1	.2					5.8	9.6
NNE	.6	1.5	1.8	.9	.4	.1						5.3	8.5
NE	.7	1.3	2.5	.9	.2							5.6	8.4
ENE	.2	.5	.8	.2								1.6	7.7
E	.7	.6	.8	.2								2.3	5.7
ESE	.5	.9	.6	.4	.1							2.4	6.9
SE	.2	.6	1.4	.6								2.8	8.2
SSE	1.1	2.5	5.8	3.9	.5	.1						14.0	9.3
S	1.5	4.2	8.3	8.5	1.5	.2						24.1	10.1
SSW	.7	1.7	4.2	3.2	.3	.1						10.1	9.4
SW	.4	.9	.8	.3								2.4	6.8
WSW	.2	.4	.2	.2								1.0	6.6
W	.2	.5	.6	.1								1.3	6.2
WNW		.5	.4	.3		.1						1.3	8.5
NW	.1	.6	.9	.2	.1							1.9	8.8
NNW	.3	1.0	.6	.3	.4	.2	.1					2.8	10.1
VARBL													
CALM												15.3	
	8.0	19.1	31.7	21.3	3.7	.7	.3					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

1710

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

APR
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.0	1.9	1.2	.6	.2						6.6	9.2
NNE	.5	1.4	1.5	.9	.5	.1						5.0	9.0
NE	.8	1.2	2.2	.9	.2							5.3	8.0
ENE	.4	.9	.9	.5	.1							2.8	7.5
E	.4	.6	.5	.1								1.5	6.3
ESE	.4	.6	.4	.5								1.8	7.3
SE	.8	1.5	1.5	.5	.1							4.3	7.2
SSE	.6	3.7	5.0	2.3	.2							11.9	8.2
S	2.1	4.5	8.3	6.4	.5							21.8	8.8
SSW	.6	2.5	3.9	1.8	.4							9.1	8.5
SW	.3	.9	1.2	.4	.1							2.9	7.2
WSW	.2	.5	.5	.1								1.3	6.2
W	.4	.6	.2									1.2	5.2
WNW	.2	.9	.6	.3	.1							2.1	7.6
NW	.1	.6	1.3	.4	.1	.1						2.6	8.8
NNW	.7	.9	.9	.8	.5	.4						4.2	10.2
VARBL													
CALM												15.7	
	9.1	23.5	30.7	17.1	3.2	.8						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

1709

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

APR
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (EST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.1	3.2	1.6	.5	.1						6.9	9.5
NNE	.5	1.1	1.5	1.6	.3	.1						5.1	9.6
NE	.5	1.3	2.1	1.6	.5	.1						6.1	9.6
ENE	.2	.7	.9	.5								2.3	7.8
E	.4	.6	1.5	.3								2.8	7.5
ESE	.3	.8	.9	.2								2.2	6.9
SE	.6	1.5	1.3	.6								4.0	6.9
SSE	1.2	3.6	6.0	2.9	.2							13.9	8.2
S	1.6	3.3	8.7	5.7	.2							19.5	9.0
SSW	.8	1.7	3.9	3.4	.2							10.0	9.4
SW	.2	.5	1.2	.8	.1							2.9	9.0
WSW	.4	.4	.5	.1								1.4	6.3
W	.2	.7	.6	.1	.1							1.8	6.9
WNW	.3	.9	.6	.4								2.2	6.8
NW	.5	.9	1.5	.2								3.1	6.8
NNW	.2	.5	1.1	1.4	.9	.3						4.4	12.6
VARBL													
CALM												11.3	
	8.5	19.7	35.5	21.4	3.0	.5						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

1709

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

APR
MONTH

0900-1100
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.6	1.5	2.1	1.2	.4	.1					6.0	13.0
NNE	.2	.5	2.4	2.7	1.5	.2						7.4	12.3
NE	.1	.9	1.6	1.8	.9							5.4	11.1
ENE	.1	.7	1.4	.8	.1							3.2	9.3
E	.3	.6	1.6	.5								3.0	7.7
ESE	.1	.9	1.8	.8	.1							3.6	8.5
SE	.2	1.2	2.3	.9	.1							4.6	8.3
SSE	.2	1.5	4.1	4.4	.4							10.6	10.3
S	.7	1.7	7.9	8.9	2.9	.3						22.4	11.7
SSW	.2	1.2	3.7	5.4	2.8	.2						13.4	12.5
SW	.2	.3	2.0	1.9	.4	.1						4.9	11.0
WSW	.1	.5	.6	.5								1.8	8.7
W	.2	.4	.6	.6	.4							2.2	10.1
WNW	.1	.3	.7	.8	.3	.1						2.3	11.6
NW	.2	.4	.4	.8	.2							2.0	10.2
NNW	.2	.5	.9	1.6	1.0	.2						4.6	12.4
VARBL													
CALM												2.7	
	3.3	12.2	33.6	34.7	12.1	1.4	.1					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

1710

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

APR
MONTH

1200-1400
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.7	1.6	2.7	1.0	.3	.1					6.8	12.1
NNE	.2	.4	1.7	2.5	1.6	.3						6.6	13.3
NE	.2	.7	1.3	1.8	.9	.1						4.9	11.8
ENE	.2	.5	1.9	.5		.1						3.1	8.6
E	.2	.8	1.6	.4	.1	.1						3.1	8.6
ESE	.1	.6	1.2	.5								2.5	8.0
SE	.4	1.2	2.0	.9	.1							4.7	8.4
SSE	.4	1.3	4.6	4.8	.8							11.9	10.6
S	.3	1.4	6.8	10.5	3.5	.5						22.9	12.6
SSW	.1	.9	3.0	6.4	3.1	.2						13.6	13.3
SW	.2	.6	.8	2.1	.5							4.2	11.5
WSW	.1	.2	.4	.8								1.5	10.4
W	.2	.1	.7	.7	.4	.1						2.2	12.1
WNW	.2	.3	.7	.8	.6							2.6	11.5
NW	.4	.3	1.1	1.1	.2	.1						3.0	10.3
NNW	.1	.3	1.2	1.8	.8	.1	.1					4.3	13.1
VARBL												2.1	
CALM													
	3.5	10.4	30.5	38.1	13.6	1.6	.2					100.0	11.4

TOTAL NUMBER OF OBSERVATIONS

1710

1210 W3 FORM 0-8-5 (Dot 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928

WACO TEXAS/JAMES CONNALLY AFB

43-45, 49-44

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.7	2.0	3.3	.9	.2						7.3	11.9
NNE	.2	.6	1.5	3.0	.9	.4						6.7	12.5
NE	.1	.8	2.6	2.8	.3							6.5	13.8
ENE	.2	.5	1.4	.6	.1							2.9	9.2
E	.5	.4	1.5	.4		.1						2.9	7.8
ESE	.1	.2	1.5	.5	.2							2.5	9.4
SE	.4	1.0	2.5	1.3	.2	.1						5.4	9.3
SSE	.2	1.5	6.5	7.1	.8	.1						16.1	11.1
S	.5	1.6	6.4	10.9	3.0	.3						22.7	12.3
SSW	.1	.7	2.6	4.4	2.0							9.9	12.7
SW	.2	.2	.8	.9	.3							2.4	10.9
WSW	.1	.1	.6	.5	.1							1.4	10.6
W	.2	.2	.9	.3	.2							1.7	9.5
WNW		.2	.6	.8	.4							1.9	12.6
NW	.2	.2	.8	.6	.2							2.0	10.7
NNW	.2	.4	.8	2.2	.6	.2						4.5	12.7
VARBL													
CALAI												3.2	
	3.3	9.4	32.9	39.7	10.2	1.2						100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

1710

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

APR
MONTH

1800-2000
HOURS (LST.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.9	2.2	2.0	.5							7.2	8.8
NNE	.5	1.1	2.6	1.6	.5	.1						6.5	10.0
NE	.8	1.1	2.3	1.1	.2							5.6	8.3
ENE	.8	.9	1.4	.5	.3							3.9	7.8
E	.4	1.3	1.7	.2	.1							3.7	7.0
ESE	.2	1.1	1.1	.7	.2							3.2	8.9
SE	.4	1.9	2.7	1.1	.1							6.1	8.0
SSE	1.1	3.6	8.8	7.4	.8							21.6	9.6
S	.8	3.6	7.0	7.0	1.3	.2						19.9	10.3
SSW	.2	1.6	1.4	1.9	.4							5.5	9.5
SW	.1	.6	.9	.1								1.8	7.0
WSW	.1	.3	.3									.7	5.9
W	.1	.2	.5	.1	.1	.1						1.1	10.5
WNW	.2	.2	.2	.2		.1						.9	8.6
NW	.2	.5	.4	.4	.1							1.6	8.5
NNW	.3	.9	1.1	.9	.3							3.5	8.9
VARBL													
CALM												7.4	
	6.7	20.9	34.5	25.1	5.0	.4						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

1710

1210 WS FORM 0-8-5 (Det 50) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

APR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.6	2.2	.9	.5	.2	.1					7.3	8.5
NNE	.7	1.5	1.9	1.1	.6							5.7	8.9
NE	.6	1.3	2.2	1.1	.2							5.4	8.1
ENE	.5	.6	1.0	.5	.1							2.7	7.4
E	.9	.6	.9	.1	.1							2.7	6.0
ESE	.4	.9	1.1	.2								2.5	6.7
SE	.8	1.1	2.2	.8	.2							5.1	7.8
SSE	.8	3.5	7.2	5.9	1.0	.1						18.5	9.8
S	.8	3.2	8.4	7.2	2.2	.1						21.8	10.5
SSW	.5	1.6	2.4	1.6	.5	.1						6.7	9.2
SW	.2	.2	.4	.1	.1							.9	7.3
WSW	.1	.4	.4	.1								1.0	6.9
W		.5	.2	.1	.1	.1						.8	8.7
WNW	.1	.4	.2	.2								.9	6.9
NW	.2	.9	.5	.1	.1		.1					1.8	7.3
NNW	.1	.9	.9	.5	.2	.1	.1					2.7	9.3
VARBL													
CALM												13.5	
	7.5	20.2	32.0	20.5	5.5	.6	.2					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

1710

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.4	.9	.6	.3							3.7	7.9
NNE	.3	1.3	.8	.7	.2							3.3	8.6
NE	.6	1.3	1.3	.4	.1							3.6	7.1
ENE	.1	.8	.6	.3								1.8	7.2
E	.3	.9	.3	.1								1.5	5.4
ESE	.4	.9	.5	.1								1.9	5.5
SE	1.0	1.9	2.4	.8		.1						6.3	7.1
SSE	1.3	4.1	6.1	3.2	.1							14.9	8.1
S	2.1	4.3	11.9	9.0	1.3	.1						28.7	9.6
SSW	.5	2.3	4.0	1.9	.4	.1						9.2	9.1
SW	.2	1.0	.7	.3		.1						2.2	8.0
WSW	.3	.2	.2	.1								.7	5.3
W	.2	.4	.3	.1								.9	6.1
WNW	.3	.6	.6		.1							1.5	6.1
NW	.3	.4	.7	.1	.1							1.5	7.0
NNW	.7	.4	.6	.2	.2							2.0	7.2
VARBL													
CALM												16.1	
	9.1	22.2	31.7	18.0	2.6	.3						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

1817

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.3	.5	.7	.1							3.5	6.7
NNE	.6	1.2	.9	.8	.1	.1						3.6	8.1
NE	.8	.8	1.7	.3	.1							3.6	7.2
ENE	.6	.9	.8	.1		.1						2.4	6.4
E	.7	.5	.3	.1		.1						1.7	5.7
ESE	.5	.4	.6	.1								1.5	5.4
SE	.9	2.1	2.4	.5	.1							6.1	6.9
SSE	1.4	4.7	5.0	1.9	.1							13.0	7.3
S	2.4	5.6	10.9	5.8	.3							25.1	8.4
SSW	.6	1.8	5.1	2.4	.3							10.2	9.1
SW	.1	.8	.7	.2								1.8	7.1
WSW	.2	.5	.1		.1							.8	5.5
W	.1	.7	.3	.1								1.2	6.2
WNW	.3	.5	1.2	.2	.1							2.2	7.5
NW	.6	.4	.8	.2								2.0	6.5
NNW	.5	.9	.4	.3	.3							2.4	7.8
VARBL													
CALM												18.9	
	11.2	22.8	31.7	13.8	1.5	.2						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

1818

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 29801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.9	.9	.5	.3	.1						3.3	8.3
NNE	.8	1.2	2.1	.7	.2							5.0	7.9
NE	.2	.8	1.5	.6	.2							3.2	8.9
ENE	.5	.6	1.0	.2								2.3	6.8
E	.8	.8	.7	.1								2.4	5.2
ESE	.7	.9	.6									2.1	5.0
SE	.8	2.0	3.0	.8	.1	.1						6.8	7.5
SSE	1.4	3.0	5.3	3.2		.1						12.9	8.2
S	1.5	4.3	11.0	6.0	.3							23.1	9.0
SSW	.4	2.0	4.7	4.9	.9	.1						12.9	10.5
SW	.4	.7	1.1	.6	.1							2.9	8.0
WSW	.1	.9	.5	.2								1.7	7.3
W	.2	.4	.4	.2								1.3	6.7
WNW	.1	.6	.9	.3								1.8	7.7
NW	.7	.3	.9	.3	.1	.1						2.3	7.6
NNW	.4	.6	1.2	1.0	.1							3.4	8.9
VARBL													
CALM												12.5	
	9.6	20.0	35.8	19.5	2.3	.3						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

1817

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.5	.9	1.4	.2							3.4	10.3
NNE	.4	.8	1.7	.7	.2	.2						4.0	9.3
NE	.2	.9	2.1	.9	.1							4.3	8.9
ENE	.6	.7	1.1	.5	.1	.1						3.1	8.6
E	.4	.6	.7	.1								1.7	6.5
ESE	.4	.6	1.2	.2								2.5	6.9
SE	.4	1.4	1.3	.7	.2							4.1	7.9
SSE	.6	1.6	6.8	4.2	.2							13.4	9.7
S	.4	2.6	8.9	11.9	2.7	.2						26.7	11.5
SSW	.4	1.4	4.8	7.4	2.8	.2						17.1	12.1
SW	.1	.8	2.2	1.4	.3	.1						4.9	10.5
WSW	.4	.3	.6	.4		.1						1.8	8.0
W	.3	.4	.7	.1								1.5	6.4
WNW	.1	.3	.9	.5	.1	.1						1.9	9.6
NW	.1	.3	.3	.5	.3							1.5	10.6
NNW	.2	.3	.9	1.3	.2							2.9	10.4
VARBL													
CALM												5.4	
	5.6	13.5	35.1	32.3	7.2	.9						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

1818

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.8	1.4	1.2	.1							4.0	8.6
NNE	.3	.8	1.5	.9	.4	.1						4.0	10.0
NE	.4	.6	1.9	.8	.1	.1						3.8	9.1
ENE	.4	.7	2.0	.6	.2							3.9	8.5
E	.4	.9	.8	.4	.1							2.6	7.4
ESE	.2	.5	.7	.1	.1							1.6	7.2
SE	.2	1.3	1.4	.7	.2	.1						3.9	8.4
SSE	.4	1.8	6.2	6.7	.8							15.8	10.7
S	.5	1.8	8.5	13.2	4.3	.1						28.4	12.1
SSW	.2	1.0	4.6	6.2	2.7	.4						15.1	12.6
SW	.2	1.0	1.3	.9	.4	.1						3.9	10.0
WSW	.1	.4	.8	.3								1.6	8.2
W	.4	.1	.6	.1								1.2	5.9
WNW		.2	.2	.4	.2							1.0	12.4
NW	.2	.4	.4	.9								1.9	9.6
NNW	.2	.7	1.3	1.2	.3							3.7	10.4
VARBL												3.6	
CALM													
	4.7	13.0	33.5	34.5	10.0	.8						100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

1821

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.7	1.5	.9	.4							4.0	9.8
NNE	.1	.8	1.7	1.2	.2	.2						4.2	10.5
NE	.3	.8	2.1	.5	.2							3.9	8.4
ENE	.3	1.3	2.0	.6	.1							4.3	8.1
E	.6	1.2	1.4	.3	.2							3.6	7.3
ESE	.4	1.0	.7	.3	.1							2.6	7.1
SE	.2	1.8	2.5	2.7	.3							7.5	9.7
SSE	.5	2.3	7.9	9.4	1.1							21.2	10.9
S	.7	1.8	7.3	13.3	3.2	.1	.1					26.4	12.1
SSW	.3	.6	2.6	4.0	1.5	.1	.1					9.3	12.2
SW	.1	.8	.6	.8	.3							2.5	9.9
WSW	.3	.2	.4	.1								.9	6.4
W	.1	.2	.4									.7	6.7
WNW	.1	.4	.5	.2	.1							1.3	8.5
NW		.3	.7	.2	.1							1.3	9.2
NNW	.1	.1	1.2	1.4	.4	.1						3.2	11.9
VARBL													
CALM												3.1	
	4.4	14.2	33.6	35.9	8.2	.4	.1					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

1821

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.7	1.4	.8	.1	.1						3.8	8.6
NNE	.5	1.2	1.5	.9	.2	.1						4.4	8.6
NE	.4	.8	1.8	.3	.1	.1						3.5	8.0
ENE	.8	1.3	1.4	.4	.3	.1						4.2	7.4
E	1.0	1.5	1.2	.2	.1							4.0	6.0
ESE	.8	2.0	.8	.3	.1							4.0	6.1
SE	1.0	3.6	4.0	2.0	.3							10.9	7.9
SSE	1.8	4.4	11.0	6.4	1.0	.1						24.8	9.2
S	1.1	3.6	9.3	7.5	.8	.1						22.3	9.6
SSW	.2	.8	1.7	2.0	.3	.1						5.0	10.4
SW	.1	.2	.2	.1								.5	6.8
WSW	.1	.1	.2	.1								.4	7.6
W	.2	.4	.2									.8	4.6
WNW	.1	.2	.3	.1								.6	6.5
NW	.2	.3	.3	.1	.1							.9	7.9
NNW	.1	.7	.7	.3	.3							2.1	9.1
VARBL													
CALM												7.9	
	9.0	21.7	36.1	21.4	3.5	.4						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

1821

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MO. YR

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.3	1.4	.8	.2							4.5	7.6
NNE	.5	.9	.7	.7	.1	.1						3.0	8.1
NE	.7	.9	1.0	.8	.2	.1						3.7	8.3
ENE	.5	1.0	1.0	.2	.1							2.7	6.2
E	.8	.6	.4	.4	.1							2.2	6.3
ESE	1.0	1.8	.8	.3								4.0	5.4
SE	1.9	3.4	3.0	1.1	.1							9.5	6.5
SSE	1.2	5.2	9.0	4.9	.4							20.6	8.7
S	1.6	3.4	9.7	7.7	1.2	.1						23.7	9.9
SSW		1.1	2.5	1.6	.9							6.0	11.6
SW	.1	.3	.2	.1								.7	7.2
WSW		.1	.3	.1								.4	8.4
W	.2	.2	.2	.1								.6	5.3
WNW	.1	.3	.3	.1								.8	7.4
NW	.1	.5	.1	.2	.1							.9	7.5
NNW	.3	.3	.4	.4	.2							1.6	9.0
VARBL													
CALM												15.2	
	9.8	21.1	30.9	19.5	3.4	.2						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

1620

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.9	.4	.1								1.9	5.6
NNE	.8	.7	.7	.1								2.3	5.6
NE	.7	.3	.7	.2								1.9	6.3
ENE	.3	.6	.3	.1								1.3	5.5
E	.9	.7	.7	.2								2.4	5.4
ESE	.6	.9	.3	.1								1.8	5.1
SE	2.1	2.3	1.6	.6								6.6	5.8
SSE	2.1	4.6	5.6	1.9	.1							14.3	7.1
S	2.8	6.8	16.2	8.6	1.4	.1						35.9	9.1
SSW	.9	1.7	5.2	3.4	.3	.1						11.7	9.5
SW	.1	.9	.7	.4								2.2	7.4
WSW	.1	.1	.2	.1		.1						.4	9.6
W	.2	.3	.1									.6	4.7
WNW	.1	.2	.1									.4	5.4
NW	.2	.2	.2		.2							.8	7.6
NNW	.4	.2	.2	.1								.9	4.9
VARBL													
CALM												14.6	
	12.7	21.5	33.2	15.9	1.9	.2						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

1799

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUN
MONTH

0300-0500
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.1	.8	.2		.1						2.7	6.7
NNE	.7	.9	.9	.1								2.6	5.5
NE	.8	.5	.5	.1	.1	.1						2.1	6.7
ENE	.3	.4	.4	.1		.1						1.3	7.5
E	.3	.6	.3	.1	.1							1.3	5.9
ESE	.6	.8	.2									1.6	4.6
SE	2.0	1.7	1.3	.1	.1							5.2	5.1
SSE	1.9	4.3	3.7	1.1								10.9	6.4
S	4.2	9.5	13.3	5.6	.3							32.9	7.6
SSW	.7	3.3	5.7	3.1	.1							12.8	8.4
SW	.1	1.1	1.1	.4	.1							2.8	7.8
WSW	.1	.3	.1	.1								.4	6.6
W	.2	.2	.3		.1							.7	6.8
WNW	.2	.2	.1									.6	4.7
NW	.3	.4	.3									1.1	5.2
NNW	.7	.6	.3	.1	.1	.1						1.7	5.7
VARBL												19.2	
CALM													
	13.6	25.9	29.2	11.0	.7	.3						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

1800

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUN
MONTH

0600-0800
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.8	1.0	.3	.1							2.9	6.7
NNE	.4	.6	1.2	.6		.1						2.8	7.8
NNE	.8	.9	1.2	.2								3.1	5.9
ENE	.2	.5	.7	.1			.1					1.6	7.3
E	.8	1.1	.5	.2	.1		.1					2.7	6.3
ESE	.3	.8	.3	.2	.1							1.6	6.2
SE	.9	1.8	1.3	.4								4.4	6.2
SSE	1.2	4.2	4.2	1.0	.1							10.7	7.0
S	2.9	7.1	12.5	6.8	.9		.1					30.3	8.5
SSW	.8	2.2	7.1	5.8	.5	.2						16.6	10.0
SW	.2	1.3	2.5	1.1	.3							5.4	8.9
WSW		.3	.6	.2								1.1	7.4
W	.4	.5	.3	.1								1.3	5.1
WNW	.2	.3	.1	.1	.1							.7	6.4
NW	.2	.4	.3									.9	5.5
NNW	.1	.8	.2	.2								1.3	6.3
VARBL												12.5	
CALM													
	10.2	23.7	34.0	17.2	1.9	.2	.2					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

1799

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	>56	%	MEAN WIND SPEED
N	.6	.5	1.6	.8	.1							3.6	8.3
NNE	.3	.6	.6	.6		.1						2.1	8.6
NE	.7	.8	1.3	.4	.1	.1						3.3	7.2
ENE	.1	.6	.7	.4								1.8	7.9
E	.9	1.0	.7		.1							2.6	5.2
ESE	.4	.3	.6									1.3	5.6
SE	.7	1.2	1.4	.4								3.7	6.8
SSE	.9	2.1	4.6	2.3	.2							10.0	8.4
S	1.3	3.2	10.0	10.5	2.2							27.2	10.7
SSW	.3	1.9	7.2	12.3	2.7	.3						24.7	12.1
SW	.8	1.2	3.4	2.5	.5							8.4	9.6
WSW	.2	.5	.6	.4	.1							1.8	8.2
W	.4	.7	.4									1.5	5.2
WNW	.2	.3	.1		.1							.6	6.0
NW	.4	.3	.5	.1								1.3	6.0
NNW	.2	.3	.3	.3	.1							1.3	8.3
VARBL													
CALM												4.7	
	8.2	15.6	34.1	31.1	5.9	.4						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

1799

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.9	.9	.7								2.7	8.2
NNE	.3	.9	.9	.4	.2							2.8	8.6
NE	.3	.8	1.7	.7	.2							3.6	8.5
ENE	.3	.7	1.3	.4		.1						2.8	8.1
E	.7	.9	1.2	.3								3.1	6.6
ESE	.2	.6	.8	.2								1.8	7.4
SE	.6	2.0	2.5	1.2	.1							6.3	7.8
SSE	.5	2.2	6.7	4.5	.5							14.5	9.7
S	1.4	3.2	11.4	13.6	3.0	.1	.1					32.7	11.2
SSW	.4	1.4	5.7	8.1	2.5	.1						18.3	11.9
SW	.4	.7	1.3	1.1	.4	.1						4.0	10.2
WSW	.1	.1	.1	.2								.4	9.9
W	.1	.2	.5									.8	6.7
WNW	.1	.2	.2	.1								.5	6.6
NW	.2	.6	.2	.3								1.2	6.5
NNW		.4	.4	.5	.1							1.3	10.5
VARBL													
CALM												3.2	
	5.6	15.7	35.8	32.2	6.9	.4	.1					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

1799

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KMTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.7	1.3	.5	.1	.1						2.9	9.1
NNE	.4	.3	.9	.7	.1	.1						2.5	9.1
NE	.2	.9	1.7	.4								3.3	7.7
ENE	.1	.3	1.3	.5	.3							3.1	9.3
E	.7	1.6	2.1	.6	.1							5.1	7.3
ESF	.6	1.0	.8	.4								2.7	6.8
SE	.3	2.1	4.1	2.3	.2		.1					9.0	9.3
SSE	.7	1.6	10.2	9.4	.9							23.0	10.5
S	.5	2.8	10.7	15.0	2.9	.2						32.1	11.6
SSW	.1	.4	3.4	4.4	1.2	.2						9.8	12.2
SW	.2	.4	.7	.3	.1							1.7	7.9
WSW	.1	.2	.2	.1								.4	7.0
W	.1	.1	.2	.2								.6	8.6
WNW	.1	.1	.2	.1								.4	8.1
NW	.1	.3	.1									.4	6.7
NNW	.1	.4	.2	.6	.1							1.3	9.5
VARBL													
CALM												1.7	
	4.4	13.7	38.1	35.5	5.9	.6	.1					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

1799

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUN
MONTH

1800-2000
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	.4	.5	.2		.1					1.8	9.8
NNE	.3	.4	.7	.2	.1	.1						1.8	8.3
NE	.6	.7	1.4	.1	.2							3.0	7.3
ENE	.6	.6	1.3	.1		.1						2.7	7.0
E	.6	1.7	2.5	.2	.1							5.1	7.0
ESE	.8	1.6	1.8	.4		.1						4.6	7.0
SE	2.3	3.6	6.4	1.9	.3							14.5	7.5
SSE	1.2	5.2	15.9	6.9	.4							29.6	9.0
S	.6	4.1	11.2	9.1	1.5							26.4	10.1
SSW	.2	1.0	2.3	1.3	.1							4.8	8.9
SW	.1	.1	.2	.1	.1							.5	9.9
WSW		.2	.1	.1								.3	7.4
W	.1	.1	.2									.3	7.0
WNW	.1	.2		.1								.3	6.7
NW	.2	.3	.1									.6	4.3
NNW	.1	.1	.2	.2								.7	8.2
VARBL													
CALM												2.9	
	7.9	20.1	44.7	21.2	2.9	.2	.1					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

1798

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

41-45, 49-64
YEARS

JUN
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.8	.5	.3								1.8	7.0
NNE	.6	.5	.3	.3								1.7	6.7
NE	.8	.8	.7	.1	.1							2.4	5.5
ENE	.5	.6	.6	.1	.1							1.8	6.3
E	1.2	1.4	1.5	.1		.1						4.3	5.9
ESE	1.6	2.2	1.4	.1								5.3	5.2
SE	2.5	4.6	3.9	1.1								12.1	6.2
SSE	1.9	6.2	10.5	4.3	.4							23.4	8.3
S	2.1	5.8	11.3	8.0	1.1	.1						28.2	9.2
SSW	.4	1.6	1.8	1.2	.1							5.1	8.5
SW	.1	.4	.2	.1								.8	7.1
WSW		.2	.1									.3	5.6
W			.2	.1								.2	10.8
WNW	.1		.1	.1	.1							.3	10.6
NW	.2	.1	.1									.4	4.6
NNW	.2	.3	.1	.1	.1							.8	6.9
VARBL													
CA'M												11.1	
	12.2	25.5	33.2	16.0	1.8	.1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

1797

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACD TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUL
MONTH

0000-0200
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.1	.3									.8	4.9
NNE	.5	.5	.3	.2								1.5	5.6
NE	1.1	1.1	1.0	.1								3.2	5.4
ENE	.3	.7	.2	.3								1.5	6.7
E	1.3	1.1	.7	.1								3.2	4.8
ESE	.9	1.1	.5									2.4	4.5
SE	1.2	2.3	1.2	.3								5.1	5.6
SSE	2.9	4.1	3.2	1.6	.1							11.7	6.3
S	4.0	11.1	16.4	7.6	.2							39.4	7.8
SSW	.9	2.7	6.2	3.9	.3							14.0	8.9
WSW	.3	1.2	.6	.3								2.5	6.8
W	.1	.2	.2									.4	5.9
WNW	.1	.1										.2	3.0
NW	.1	.2	.1									.2	3.7
NNW	.1	.2	.1									.4	5.4
VARBL	.2	.3	.1									.6	5.0
CALM												13.1	
	14.4	26.6	31.1	14.3	.6							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

1859

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUL
MONTH

0300-0500
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.4	.5									1.5	4.9
NNE	.7	.6	.3	.1								1.7	4.8
NE	.8	.9	.7	.1								2.5	5.5
ENE	.2	.4	.6	.2								1.5	7.4
E	.6	.3	.3									1.2	4.5
ESE	.7	.5	.2									1.4	4.1
SE	1.5	1.8	.8	.3								4.3	5.3
SSE	1.9	3.1	2.3	.1								7.4	5.3
S	7.7	12.0	14.8	2.8								37.5	6.3
SSW	1.2	2.2	8.0	1.7	.1							16.2	7.5
SW	.7	1.5	1.4	.1								3.6	6.1
WSW		.3	.1									.4	6.3
W	.2	.3	.3									.8	4.9
WNW	.2	.1	.1									.3	4.7
NW	.2	.4	.1									.6	4.8
NNW	.5	.2	.3	.1								1.1	5.5
VARBL													
CALM												18.1	
	17.8	27.8	30.8	5.4	.1							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

1860

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928 WACO TEXAS/JAMES CONNALLY AFB 42-45, 49-64 JUL
STATION STATION NAME YEARS MONTH
0600-0800
HOURS (LST)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.4	.5	.3								1.4	7.2
NNE	.5	.5	.6	.3								1.9	6.5
NE	.4	.9	.9	.2	.1							2.4	6.5
ENE	.4	.7	.9	.3		.1						2.3	7.3
E	.6	.7	.5	.1								1.8	5.2
ESE	.3	.4	.6	.1								1.4	6.8
SE	1.6	1.3	.5	.2								3.5	4.8
SSE	1.4	3.3	2.3	.7	.1							7.7	6.2
S	4.6	11.1	13.5	3.5	.1							32.7	6.9
SSW	1.0	5.2	8.5	5.3	.8							20.8	8.9
SW	.7	1.6	3.7	1.2	.1							7.3	8.0
WSW	.1	.4	.5	.1								1.1	7.4
W	.4	.9	.3	.1								1.6	5.1
WNW	.2	.1	.1									.4	4.5
NW	.1	.3	.2	.1								.7	6.0
NNW	.1	.5	.2	.2	.1							1.0	7.6
VARBL													
CALM												11.9	
	12.5	26.2	33.8	12.5	1.0	.1						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 1860

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.6	.6	.2	.1							2.0	6.6
NNE	.3	.2	.9	.2		.1	.1					1.8	8.9
NE	.1	.9	1.9	.3	.1							3.2	8.0
ENE	.3	.4	1.2	.6	.2							2.7	8.9
E	.3	.5	.5	.2								1.5	6.8
ESE	.1	.3	.7	.2								1.3	8.0
SE	.5	.7	1.2	.1								2.5	6.1
SSE	.4	1.6	2.0	1.2	.1							5.3	8.1
S	1.0	4.2	10.5	6.4	.8							23.0	9.3
SSW	.9	4.6	10.6	10.3	1.1	.1						27.5	10.2
SW	.4	2.4	6.6	3.8	.3							13.5	9.3
WSW	.4	1.7	2.8	.6								5.5	7.4
W	1.0	1.7	.9	.1								3.7	5.2
WNW	.3	.7	.4	.1								1.5	5.9
NW	.2	.3	.3			.1						.8	7.3
NNW	.3	.2	.1	.2	.1							.8	7.1
VARBL													
CALM												3.4	
	7.0	21.0	41.5	24.2	2.6	.2	.1					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 1860

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.6	.4	.4								1.7	7.6
NNE	.2	.6	.8	.5	.3	.1						2.4	9.6
NE	.3	.6	1.1	.9	.1	.1						3.7	9.4
ENE	.2	.6	.8	.9	.1	.1						3.7	9.1
E	.4	1.3	1.1	.4	.1							3.3	7.6
ESE	.2	.6	1.1	.3	.1	.1						2.2	8.3
SE	.4	1.9	2.2	.8	.1							5.4	7.4
SSE	.9	3.0	4.9	2.4	.1							11.3	8.3
S	.6	4.7	14.7	9.0	.8							29.9	9.6
SSW	.3	2.9	7.5	7.7	1.3	.1						19.8	10.6
SW	.4	1.7	3.7	1.3	.4							7.5	9.0
WSW	.2	.8	1.3	.2								2.4	7.1
W	.4	.3	.4	.1								1.2	6.0
WNW	.1	.2	.4	.2								.9	7.6
NW	.4	.1	.1	.2								1.1	5.4
NNW	.3	.2	.2	.2	.1							.9	7.8
VARBL												2.7	
CALM													
	5.4	20.6	42.2	25.4	3.3	.3						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

1859

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUL
MONTH

1500-1700
HOURS (LST.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.6	.3	.6	.1							1.7	8.6
NNE	.1	.3	.8	.1	.1		.1					1.4	8.8
NE	.3	.9	2.2	1.1	.2							4.7	9.1
ENE	.3	.5	1.3	1.5	.3							3.9	10.2
E	.6	.6	2.3	.9	.2	.1						4.6	8.6
ESE	.3	.8	2.0	.8	.1	.1						4.0	9.0
SE	.8	2.2	3.3	1.7	.2	.1						8.1	8.2
SSE	.5	3.3	7.4	5.9	.6							17.7	9.7
S	.6	4.4	14.6	9.4	1.0	.2						30.2	10.0
SSW	.5	1.8	6.0	5.4	.5	.2						14.5	10.3
SW	.3	.8	1.3	.8	.1							3.2	8.8
WSW	.2	.2	.5	.1								.9	7.1
W	.2	.4	.2			.1						.8	6.3
WNW	.1	.2	.2	.1								.5	6.6
NW		.3	.1	.2	.1							.6	8.5
NNW	.3	.2	.4	.1	.1							1.0	7.8
VARBL													
CALM												2.2	
	5.2	17.4	42.7	28.4	3.4	.6	.1					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

1860

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUL
MONTH

1800-2000
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.5	.3	.2		.1						1.5	7.0
NNE	.3	.5	.3	.2	.1							1.4	7.4
NE	.2	.9	1.7	.5								3.3	8.2
ENE	.3	.7	1.7	1.0	.1							3.8	9.1
E	.6	1.4	3.3	.9	.1	.1						6.3	8.1
ESE	.6	1.3	2.5	.5	.2							5.2	7.4
SE	1.0	3.4	4.7	1.6	.2							10.9	7.7
SSE	1.7	7.2	10.7	5.4	.4							25.3	8.3
S	.9	5.1	14.3	8.1	.5							28.9	9.3
SSW	.1	1.1	3.6	1.9	.4	.1						7.1	9.9
SW		.2	1.0	.2	.1							1.4	8.5
WSW	.1	.2	.3									.6	6.3
W	.2	.1	.1									.4	4.6
WNW	.1	.1	.1									.2	5.8
NW	.1	.1	.2									.4	6.1
NNW			.3									.3	8.4
VARBL													
CALM												3.3	
	6.5	22.7	45.1	20.4	1.9	.2						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

1860

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928

STATION

WACO TEXAS/JAMES CONNALLY AFB

STATION NAME

42-45,49-64

YEARS

JUL

MONTH

ALL WEATHER

CLASS

2100-2300

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	.5		.1							1.1	6.6
NNE	.4	.4	.3	.3	.1							1.4	7.2
NE	.9	1.1	.8	.3				.1				3.2	6.2
ENE	.5	.7	1.0	.3								2.5	6.7
E	1.1	1.4	1.5	.3	.1							4.4	6.2
ESE	1.1	1.1	1.4	.3								4.0	6.0
SE	2.7	3.1	3.1	1.3								10.3	6.2
SSE	3.2	8.2	7.3	3.8	.1							22.4	7.1
S	2.1	8.2	13.2	7.4	.8							31.7	8.5
SSW	.6	1.9	2.9	2.1	.1							7.5	8.5
SW	.2	.2	.2	.1								.8	6.6
WSW	.1	.1	.4									.5	7.2
W	.1	.2	.1									.3	4.8
WNW		.1	.1									.1	5.5
NW	.2		.1	.1								.4	5.3
NNW	.2	.1	.2	.1								.5	6.1
VARBL													
CALM												9.1	
	13.7	26.9	32.9	16.2	1.1			.1				100.0	6.8

TOTAL NUMBER OF OBSERVATION:

1859

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.0	.4	.3								2.4	5.8
NNE	.5	.8	.6	.1								1.9	5.6
NE	.8	1.3	.7	.1								2.8	5.2
ENE	.5	.5	.3	.2	.1							1.5	6.0
E	1.0	1.1	.8	.2	.1	.1						3.1	5.9
ESE	.7	.6	.5	.3								2.1	5.8
SE	1.3	2.6	2.6	.2								6.7	5.8
SSE	1.4	3.5	4.0	.5								9.5	6.3
S	3.2	9.6	13.5	5.6	.4							32.3	7.8
SSW	1.0	4.1	6.8	3.4	.2							15.5	8.5
SW	.3	1.1	1.9	.2								3.5	7.1
WSW	.1	.4	.2	.1								.7	5.7
W	.1	.1	.2									.3	5.5
WNW	.1	.2	.1									.3	5.2
NW	.1	.1	.1	.1								.4	6.3
NNW	.3	.3	.3	.1								.9	5.3
VARBL													
CALM												16.2	
	11.9	27.1	33.0	11.1	.7	.1						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1860

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TE AS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.3	.8	.1	.1							3.1	5.2
NNE	.5	.8	.5	.2								1.9	6.2
NE	.7	.7	.6	.1	.1	.1						2.3	6.6
ENE	.8	.7	.3	.1	.1							1.9	4.9
E	.6	1.5	.4	.1	.1	.1						2.7	5.7
ESE	.5	.3	.2			.1						1.1	5.0
SE	1.1	1.8	1.1	.2								4.2	5.4
SSE	2.3	4.1	1.7	.1								8.2	4.8
S	4.1	11.7	9.9	1.6	.1							27.3	6.3
SSW	2.3	5.0	7.4	3.1								17.8	7.6
SW	.4	1.9	1.2	.2								3.6	6.2
WSW		.5	.3	.1								.9	6.3
W		.4										.4	5.0
WNW	.3	.3	.2									.8	5.1
NW	.4	.2	.2									.9	4.8
NNW	.3	.4	.5									1.1	5.7
VARBL													
CALM												21.7	
	15.3	31.6	25.2	5.7	.3	.2						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

1859

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (LST)

CONDITION

SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
DIR.													
N	.3	1.1	.5	.1								2.1	5.7
NNE	.4	.6	1.5	.3								2.8	7.6
NE	.6	1.4	1.2	.3	.1							3.5	6.6
ENE	.8	.8	.9	.1	.1							2.6	6.0
E	1.3	.9	.6	.1	.1		.1					3.0	5.5
ESE	.8	.5	.5	.1	.1	.1						1.9	6.0
SE	.9	1.7	1.0		.1							3.7	5.2
SSE	1.5	3.6	2.2									7.2	5.5
S	3.5	10.8	10.9	2.0								27.2	6.6
SSW	1.4	4.6	8.9	3.8	.4	.1						19.1	8.6
SW	.7	1.7	3.7	1.0	.1							7.1	7.8
WSW	.2	.4	1.1	.3								1.9	7.6
W	.3	.3	.4									1.0	5.2
WNW	.1	.2	.1									.4	5.0
NW	.3	.2	.2		.1							.7	5.8
NNW	.3	.4	.6	.3								1.6	6.9
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	14.1	
	13.4	29.2	34.0	8.3	.8	.1	.1					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 1860

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEAR

AUG
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDIT ON

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.6	.6	.4	.1							1.9	8.8
NNE	.5	.9	1.3	.4								3.1	7.4
NE	.4	.9	2.0	.5								3.7	7.9
ENE	.3	1.1	1.2	.2	.1	.1						2.9	7.5
E	.6	1.2	1.4	.2	.1	.1	.1					3.6	7.3
ESE	.3	.6	.8	.2								2.0	7.1
SE	.4	1.6	1.2	.4								3.6	6.5
SSE	.7	2.1	2.1	.1								5.0	6.3
S	1.0	5.2	9.3	4.2	.2	.1						19.9	8.5
SSW	.8	3.2	10.9	7.4	1.0							23.4	10.0
SW	.7	2.7	6.6	2.5	.2							12.7	8.6
WSW	.3	1.9	3.8	.6								6.7	7.8
W	.8	1.1	1.6	.1								3.5	6.2
WNW	.3	.4	.3									1.0	5.4
NW	.3	.2	.6	.1								1.1	6.2
NNW	.3	.4	.9	.2								1.7	7.6
VARBL													
CALM												4.1	
	7.7	24.0	44.7	17.6	1.6	.2	.1					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

1960

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

AUG
MONTH

1200-1400
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIP.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.8	1.0	.8	.1							3.1	8.0
NNE	.3	.4	1.6	.9	.2							3.2	9.3
NE	.3	1.0	1.8	1.3		.1						4.4	9.0
ENE	.4	.7	2.2	.6	.1							4.0	8.2
E	.7	1.9	2.3	.6	.1							5.7	7.2
ESE	.4	1.2	1.4	.6	.1	.1						3.7	7.9
SE	.4	2.1	2.7	.7		.1						6.0	7.5
SSE	.5	3.6	5.4	1.3	.1							10.9	7.7
S	1.1	4.4	11.6	5.7	.4							23.2	9.0
SSW	.4	2.9	7.1	6.7	.5	.1						17.7	10.0
SW	.2	2.0	3.7	1.2	.1							7.3	8.3
WSW	.3	.9	1.2	.2								2.6	6.9
W	.6	.8	.6	.2								2.2	5.9
WNW	.2	.4	.6	.1								1.2	6.9
NW	.2	.3	.5	.2	.1							1.2	8.0
NNW	.1	.2	.6	.2								1.1	8.4
VARBL													
CALM												2.6	
	6.6	23.5	44.2	21.3	1.7	.2						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

1858

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMFS CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.3	.8	.6								2.0	8.5
NNE	.2	.6	1.8	1.0	.2							3.8	9.6
NE	.2	1.3	2.7	.9	.1	.1						5.3	8.5
ENE	.2	.8	2.4	1.0	.2	.1						4.6	9.5
E	.5	2.0	3.2	1.3	.2	.1						7.3	8.2
ESE	.5	1.2	2.6	1.1								5.4	8.0
SE	.4	1.9	4.1	1.7								8.1	8.6
SSE	.6	2.7	9.5	2.6	.1	.1						15.5	8.7
S	.7	3.9	12.3	6.3	1.0	.1						24.2	9.5
SSW	.4	1.7	5.5	4.6	.2							12.3	9.7
SW	.1	1.0	1.9	1.0								4.0	8.8
WSW	.1	.2	.5	.3								1.1	8.8
W	.4	.4	.3	.1								1.2	5.4
WNW	.1	.2	.2	.3								.8	8.4
NW	.2	.2	.3	.2								.8	7.4
NNW	.1	.3	.4	.3	.1							1.1	9.3
VARBL													
CALM												2.5	
	4.9	18.6	48.3	23.3	1.9	.3						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

1860

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

AUG
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.5	.9	.2		.1						1.8	8.1
NNE	.2	.8	1.2	.0	.1	.1						3.0	8.7
NE	.4	1.5	1.8	.5	.1							4.2	7.5
ENE	.5	1.8	1.8	.5	.2							4.9	7.6
E	1.0	3.0	2.8	.3	.3							7.3	6.7
ESE	.9	2.5	3.2	.6								7.2	7.0
SE	1.0	3.8	5.8	1.5	.1	.1						12.0	7.4
SSE	1.6	4.6	9.0	3.1	.3							18.6	8.0
S	1.2	6.6	12.5	5.1	.3							25.6	8.4
SSW	.4	1.8	3.2	1.6	.1							7.0	8.3
SW	.2	.6	1.0	.1								1.9	6.4
WSW		.2	.1									.3	6.6
W	.2	.2										.3	3.5
WNW		.1										.1	4.0
NW	.1	.1	.1		.1							.3	9.2
NNW	.1	.4	.5	.2								1.1	7.7
VARBL													
CALM												4.3	
	7.7	28.3	43.8	14.3	1.4	.2						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

1860

1210 WS FORM 0-8-5 (Dot 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WIND

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

AUG
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.8	.3	.3								1.7	6.4
NNE	.9	1.0	.8									2.6	5.0
NE	.8	1.5	1.1	.3								3.6	5.9
ENE	.4	.6	1.1	.2	.2							2.5	7.4
E	1.5	1.8	1.2	.3	.1	.1						5.0	5.9
ESE	1.7	2.5	1.9	.1								6.2	5.5
SE	2.7	5.6	3.6	.6								12.5	5.8
SSE	2.0	5.2	6.8	2.6	.1							16.7	7.4
S	2.6	6.8	12.4	6.0	.9	.1						28.8	8.5
SSW	.3	1.5	3.4	1.6	.2							7.0	9.0
SW	.3	.5	.6									1.4	5.8
WSW		.1		.1								.1	8.0
W	.1	.1	.1									.2	5.3
WNW	.1	.1	.2		.1							.3	9.2
NW	.2	.3	.1									.6	4.7
NNW	.2	.2	.3	.1								.7	6.5
VARBL													
CALM												10.1	
	13.9	28.4	33.9	12.1	1.5	.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

1857

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	1.6	1.9	.2								4.7	6.1
NNE	1.1	1.7	1.6	.3	.3	.1						5.1	7.0
NE	.9	2.4	2.4	.6	.1							6.3	6.7
ENE	.9	1.5	1.3	.3	.1	.1						4.2	6.6
E	1.2	2.2	.5	.1								3.9	4.7
ESE	1.1	1.2	.4									2.7	4.8
SE	3.2	2.4	.9	.1								6.6	4.2
SSE	1.8	2.9	3.1	.6								8.4	6.2
S	3.1	8.1	7.9	3.2	.1							22.3	7.0
SSW	.6	1.9	3.0	.7	.1							6.2	7.4
SW	.3	.8	.7	.2								1.9	7.0
WSW		.3	.2	.1								.6	7.3
W	.6	.5	.2									1.3	4.4
WNW	.2	.4	.1									.7	5.1
NW	.5	.6	.3	.1	.1							1.6	6.1
NNW	.4	.5	.3	.3	.1							1.7	7.2
VARBL													
CALM												21.8	
	16.8	29.0	24.9	6.6	.7	.2						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

1800

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

SEP
MONTH

0300-0500
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	1.8	.6								4.9	6.5
NNE	.9	1.8	2.6	.8	.3	.1						6.6	7.9
NE	1.3	3.1	2.4	.4	.1							7.3	6.0
ENE	.7	1.7	.8	.3								3.4	6.0
E	1.3	1.9	.4			.2						3.7	5.2
ESE	1.0	1.5	.5	.2								3.2	4.9
SE	1.7	1.4	.6									3.7	4.2
SSE	2.2	2.7	1.6									6.4	4.9
S	4.3	7.2	5.8	2.4	.1							19.8	6.4
SSW	1.1	2.3	2.2	.8								6.4	6.9
SW	.4	.8	.4	.1	.1							1.8	6.1
WSW	.1	.3	.1	.1								.6	6.3
W	.4	.3	.1	.1								.9	4.3
WNW	.5	.3	.2									1.0	4.3
NW	.5	.5	.4	.1	.1							1.6	5.9
NNW	.3	.6	.5	.6	.1							2.0	8.4
VARBL													
CALM												26.6	
	18.1	27.6	20.4	6.4	.6	.3						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

1800

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 26801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

SEP
MONTH

0600-0800
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.7	2.0	.9		.1						6.0	7.0
NNE	1.0	1.6	2.2	1.1	.2	.1						6.1	8.1
NE	1.8	2.7	3.0	1.2	.2							8.9	7.0
ENE	.9	1.5	1.5	.6								4.6	6.8
E	.9	1.8	.9	.1	.1	.1						3.9	6.0
ESE	.8	1.2	.7	.1								2.8	5.2
SE	1.4	1.4	.9	.3								3.9	5.3
SSE	2.2	4.0	1.9	.3								8.4	5.2
S	2.3	5.9	6.3	1.8	.1							16.4	6.9
SSW	.9	2.6	2.7	1.0	.1	.1						7.4	7.6
SW	.4	.9	.8	.1								2.2	6.0
WSW	.3	.3	.1									.7	4.0
W	.4	.4	.2	.1								1.1	5.0
WNW	.6	.4	.3	.1								1.4	5.0
NW	.7	.8	.3	.2								1.9	5.2
NNW	.3	.9	.9	.3		.1						2.5	7.4
VARBL													
CALM												21.7	
	16.3	28.1	24.8	8.2	.7	.3						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

1799

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

SEP
MONTH

0900-1100
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.1	1.9	1.3	.3	.1						5.3	9.0
NNE	.4	1.5	1.7	1.3	.2		.1					5.2	9.1
NE	.4	1.3	3.5	1.8	.4	.1						7.6	9.4
ENE	.6	1.2	1.9	.6	.1							4.4	7.6
E	.5	1.8	1.4	.6	.1	.1						4.5	7.5
ESE	.3	1.6	1.6	.4	.1	.1						4.0	7.4
SE	.9	1.8	1.9	.6	.1							5.3	6.6
SSE	.9	2.6	2.8	.6								6.8	6.7
S	1.3	4.5	7.2	3.7	.6	.1						17.3	8.5
SSW	.8	3.1	6.1	4.1	.6							14.6	9.4
SW	.6	1.2	2.9	.9	.1							5.7	8.0
WSW	.4	1.0	1.0									2.4	5.8
W	.7	1.0	.4									2.1	4.8
WNW	.1	.9	.8	.1								1.9	6.7
NW	.6	.5	.5	.1	.1							1.7	6.0
NNW	.1	.3	.6	.6	.1							1.7	9.4
VARBL													
CALM												9.6	
	9.2	25.4	36.3	16.5	2.6	.3	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 1800

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45, 49-64

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1200-1400

HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.5	2.1	1.6	.3	.1						5.9	8.9
NNE	.4	.8	1.8	1.2	.6	.1	.1					4.9	10.4
NE	.7	1.7	5.0	2.4	.3							10.2	9.0
ENE	.4	2.1	2.7	1.3	.1							6.6	8.2
E	.9	1.9	2.7	.8	.1							6.4	7.2
ESE	.4	1.2	1.4	.4	.1							3.5	7.1
SE	.8	2.6	2.3	.3	.2	.1						6.2	7.0
SSE	.9	2.4	4.3	1.3	.1		.1					9.0	7.8
S	.8	3.5	9.9	5.8	.5	.1						20.6	9.3
SSW	.3	1.3	4.4	3.2	1.1	.1						10.3	10.6
SW	.2	1.1	1.3	.8	.1							3.6	8.5
WSW	.1	.5	.4	.3								1.3	7.8
W	.4	.7	.4	.2								1.8	6.0
WNW	.4	.6	.3									1.3	4.8
NW	.2	.4	.3	.2								1.1	6.8
NNW	.1	.6	1.0	1.0	.3							3.0	10.0
VARBL													
CALM												4.3	
	7.5	22.8	40.6	20.7	3.6	.3	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

1800

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB

STATION NAME

42-45, 49-64

YEARS

SEP

MONTH

1500-1700

HOURS (LST)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.9	1.9	1.8	.2							5.3	9.5
NNE	.3	1.1	1.9	1.8	.4	.1	.1					5.7	10.2
NE	.4	1.8	5.1	3.0	.4							10.7	9.3
ENE	.5	1.7	3.5	1.6	.2	.1						7.5	8.8
E	1.1	2.0	3.9	1.2	.1							8.3	7.7
ESE	.3	1.8	2.4	.7								5.2	7.5
SE	.7	2.7	3.4	.9	.1							7.8	7.5
SSE	.5	3.4	5.7	2.2								11.8	8.3
S	.7	3.3	7.0	6.1	.7	.1						17.8	9.9
SSW	.2	1.3	3.7	3.0	.3							8.4	9.9
SW	.2	.8	1.1	.2	.2							2.4	8.1
WSW	.1	.3	.2	.1								.6	6.5
W	.1	.4	.3									.8	5.9
WNW	.1	.4	.3									.8	6.1
NW		.3	.3	.1	.1							.8	8.6
NNW	.2	.4	.7	.6	.3							2.2	9.9
VARBL													
CALM												3.7	
	5.8	22.9	41.4	23.1	2.9	.2	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

1800

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.9	1.3	.5								3.3	7.3
NNE	.6	1.4	2.9	.9	.2	.1						6.1	8.4
NE	1.2	3.6	3.9	.8	.1							9.6	6.8
ENE	.7	2.3	2.5	.3	.3							6.1	6.9
E	1.5	4.1	2.8	.7	.2	.1						9.3	6.4
ESE	1.8	3.	2.0	.3	.1	.1						7.4	5.8
SE	1.8	5.4	3.5	.7	.1							11.2	6.3
SSE	1.7	5.8	5.4	1.9	.1							14.8	7.0
S	1.4	4.6	5.8	2.2	.2							14.2	7.6
SSW	.3	1.1	1.9	.7								4.1	7.9
SW	.2	.5	.1	.2	.1							1.0	7.6
WSW	.1	.1	.1									.3	4.2
W		.2	.2									.3	6.8
WNW		.4	.1									.5	5.3
NW	.3	.4	.3	.1								1.2	5.2
NNW	.2	.3	.3	.6	.1							1.3	9.1
VARBL													
CALM												9.2	
	12.4	33.8	33.0	9.9	1.4	.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

1800

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

SEP
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	.9	1.9	.2								3.9	6.5
NNE	1.1	1.9	1.9	.6	.2							5.8	7.0
NE	1.3	2.6	3.3	.4	.1							7.8	6.6
ENE	1.2	1.8	1.4	.5	.1	.1						5.1	6.7
E	1.9	2.6	1.7	.2		.1						6.5	5.6
ESE	1.1	2.8	.8	.1								4.8	5.0
SE	3.3	4.6	2.8	.4								11.2	5.2
SSE	1.7	4.9	3.8	1.5	.1							11.9	6.8
S	1.8	5.4	6.9	2.9	.1							17.2	7.6
SSW	.5	1.5	1.6	.7								4.3	7.3
SW	.1	.6	.3	.2	.1							1.1	7.5
WSW	.1	.1	.1									.3	5.4
W	.1	.3										.4	4.3
WNW		.1		.1								.2	9.0
NW	.2	.3	.2	.1								.7	6.0
NNW	.3	.4	.5	.4	.2							1.8	8.8
VARBL													
CALM												16.9	
	15.4	30.9	27.5	8.3	.8	.2						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 1800

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	2.1	2.0	1.6								7.2	7.1
NNE	.7	1.8	2.1	1.3	.2							6.0	8.1
NE	.9	2.3	2.2	.8	.3	.1						6.6	7.4
ENE	.3	.8	.9	.1								2.0	6.3
E	.4	1.1	.3	.1								1.9	5.7
ESE	.7	.5	.4	.1								1.6	4.8
SE	1.2	1.9	.4	.1	.1							3.7	4.9
SSE	2.0	2.2	3.1	.8	.1							8.1	6.6
S	2.9	5.8	8.0	2.7	.1							19.4	7.4
SSW	.8	2.4	3.2	1.2	.1	.1						7.7	7.9
SW	.5	.7	.6	.4								2.3	7.1
WSW	.3	.3	.1									.6	4.2
W	.4	.9	.2									1.5	4.6
WNW	.3	.7	.3									1.3	4.8
NW	.4	1.2	.8	.1	.1							2.5	6.0
NNW	.5	1.2	1.2	.4	.2	.2						3.8	8.1
VARBL													
CALM												23.8	
	13.8	25.7	25.9	9.6	1.0	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 1859

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	2.2	2.4	1.6	.2							7.9	7.7
NNE	.9	1.9	2.0	.9	.1							5.9	7.4
NE	1.2	2.5	1.7	.7	.1	.1						6.2	6.8
ENE	.3	.5	.4	.1	.1							1.4	6.5
E	.6	1.3	.5	.1	.1	.1						2.8	6.0
ESE	.7	.6	.1	.1								1.5	4.5
SE	1.5	1.6	.5		.2							3.8	5.2
SSE	1.8	3.2	2.0	.1								7.1	5.2
S	2.5	5.7	5.8	1.9	.1							16.0	6.9
SSW	.6	1.7	2.1	.8								5.3	7.3
SW	.3	.9	.5	.3	.1							2.0	6.9
WSW	.4	.6	.2									1.1	4.7
W	.4	1.1	.5									2.0	5.0
WNW	.7	.8	.4	.1								1.9	4.8
NW	.9	1.2	1.6	.3								4.1	6.4
NNW	.9	1.3	1.6	.4	.2	.1						4.4	7.2
VARBL													
CALM												26.7	
	15.2	27.2	22.2	7.4	1.2	.2						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

1860

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.9	3.3	1.7	.1	.1						8.0	8.1
NNE	.8	1.7	1.8	1.5	.2	.1						6.0	8.5
NE	1.0	2.0	2.4	1.0	.2							6.7	7.4
ENE	.5	1.0	.8	.3	.2	.1						2.8	7.1
E	.8	.8	.8	.1								2.4	5.3
ESE	.4	1.0	.3									1.8	5.1
SE	1.3	2.5	1.0									4.8	5.0
SSE	1.5	3.1	2.0	.2	.1							6.7	5.8
S	2.2	5.4	5.6	1.2	.3							14.7	6.9
SSW	.4	2.0	3.1	.8	.1							6.3	7.6
SW	.4	.8	1.3	.5								2.7	7.8
WSW	.3	.3	.3	.1								.9	5.4
W	.6	1.1	.3	.1								2.1	5.0
WNW	.3	.7	.3	.1	.1							1.5	6.2
NW	.9	1.5	1.2	.4	.1							4.0	6.3
NNW	.7	1.5	2.2	.8	.2	.1						5.3	7.9
VARBL													
CALM												23.3	
	13.0	26.9	26.7	8.5	1.3	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

1860

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WIND

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

HACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

4
OCT
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.0	2.4	2.6	.3							6.7	10.1
NNE	.3	.9	1.7	2.4	.6	.1						5.9	11.2
NE	.6	2.3	2.6	2.3	.4	.2						8.3	9.4
ENE	.3	.6	2.3	.4	.1	.1						3.8	8.5
E	.3	1.6	1.2	.4	.1							3.5	7.1
ESE	.5	.5	.6	.2								1.9	6.3
SE	.1	1.2	1.7	.3								3.2	7.2
SSE	.8	2.0	3.5	1.5	.1							7.8	7.8
S	1.5	3.7	8.8	4.1	.4	.1						18.6	8.9
SSW	.3	2.3	5.4	4.0	.8	.1						12.8	10.0
SW	.7	1.5	2.9	2.0	.3							7.5	9.1
WSW	.6	.8	.5	.1	.1							2.1	6.5
W	.9	1.3	.5	.1	.1							2.8	5.1
WNW	.2	.2	.3	.2	.1	.1						1.0	9.2
NW	.3	.6	.8	.3	.1							2.2	7.9
NNW	.3	.6	1.5	1.3	.5							4.3	10.4
VARBL													
CALM												7.4	
	8.2	21.1	36.6	22.2	3.8	.6						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

1860

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

OCT
MONTH

1200-1400
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
DIR.													
N	.4	1.1	2.3	2.2	1.0							7.6	10.9
NNE	.4	1.0	2.7	2.4	.6	.3	.1					7.4	10.8
NE	.6	1.3	3.4	2.9	.5	.1						8.9	9.9
ENE	.6	.8	2.0	.7	.1	.1						4.3	8.5
E	.4	1.4	1.0	.6								3.4	7.2
ESE	.3	.9	.8	.1								2.1	6.2
SE	.4	1.5	1.4	.2								3.5	6.4
SSE	.5	1.5	3.7	2.4	.1							8.1	9.0
S	.9	3.3	7.6	5.6	.9	.1						18.4	9.8
SSW	.3	1.6	4.6	5.1	1.2	.2						13.0	10.9
SW	.4	1.3	3.2	1.6	.5	.1						7.1	9.8
WSW	.2	.6	.8	.2	.1							1.7	7.3
W	.3	.5	.6	.2								1.7	6.7
WNW	.2	.3	.7	.2	.1							1.4	8.0
NW	.4	.8	.8	.5	.1							2.6	8.0
NNW	.3	.6	1.6	1.1	.9	.1						4.5	10.7
VARBL													
CALM												4.4	
	6.5	18.3	37.3	26.7	6.0	.9	.1					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

1860

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.1	3.4	2.5	.5							8.1	9.9
NNE	.3	1.0	2.7	2.0	.9	.2						7.1	10.8
NE	.5	1.6	4.6	2.5	.4							9.6	9.6
ENE	.5	1.7	2.0	1.2	.2	.1						5.6	8.3
E	1.2	1.9	1.8	1.0								5.9	6.8
ESE	.5	.8	1.1	.2								2.5	6.3
SE	1.0	2.0	1.6	.3								4.9	6.2
SSE	.7	2.9	4.7	2.5	.3							11.1	8.6
S	.8	4.1	8.1	6.0	.4							19.5	9.2
SSW	.2	1.3	4.1	2.9	.6	.1						9.1	10.4
SW	.4	.9	1.0	.9	.1							3.3	8.6
WSW		.3	.4	.1	.1							.8	8.4
W	.2	.3	.2	.1								.9	6.0
WNW		.2	.3	.2	.1							.6	10.0
NW	.2	.3	.9	.3	.2	.1						2.0	9.9
NNW	.2	.7	1.2	1.5	.6	.2						4.3	11.3
VARBL													
CALM												4.7	
	7.0	21.3	38.0	24.0	4.4	.6						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 1860

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

OCT
MONTH

1800-2000
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.2	2.5	1.2	.5	.3						7.5	8.7
NNE	.6	1.4	2.5	.9	.1	.1						5.6	7.9
NE	1.0	3.1	3.7	.7	.1							8.7	7.0
ENE	1.1	1.6	1.4	.2	.1							4.4	5.8
E	1.5	2.1	.6	.4								4.7	5.3
ESE	1.6	1.4	.4	.2								3.6	4.7
SE	2.2	4.5	2.7	.2								9.5	5.4
SSE	1.8	5.4	4.6	1.3	.2							13.4	6.7
S	2.5	6.1	5.9	1.6	.2							16.3	6.7
SSW	.8	1.6	1.9	.4	.1	.1						4.8	7.3
SW	.1	.6	.2									.9	5.4
WSW	.1	.1	.1	.1								.3	5.8
W	.1	.2										.2	4.5
WNW	.1	.3										.4	4.1
NW	.1	.4	.3	.2								1.0	7.4
NNW	.4	1.4	1.2	.6	.2	.2						3.9	8.4
VARBL													
CALM												14.8	
	14.6	32.4	28.1	8.1	1.4	.5						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

1859

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928 STATION	WACO TEXAS/JAMES CONNALLY AFB STATION NAME	42-45, 49-64 YEARS	OCT MONTH
ALL WEATHER CLASS			2100-2300 HOURS (LST.)
CONDITION			

SPEED (KNTS) Dir.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.7	2.0	1.5	.5	.1						7.0	8.7
NNE	1.2	2.0	1.9	1.0	.2	.1						6.4	7.7
NE	1.2	3.0	2.4	1.1								7.7	6.9
ENE	.5	1.0	.8	.1								2.4	5.8
E	1.0	1.3	.7	.2								3.2	5.7
ESE	.8	1.0	.5	.1								2.4	5.0
SE	2.0	2.8	1.5	.4								6.7	5.5
SSE	1.7	4.5	3.1	1.7	.1							11.1	6.8
S	2.1	4.7	6.6	2.6	.2							16.2	7.5
SSW	.7	2.0	2.4	1.3	.2	.1						6.7	8.4
SW	.5	1.0	.5	.1								2.0	5.8
WSW	.2	.1	.1		.1							.4	5.8
W	.3	.4										.7	3.6
WNW	.1	.5	.2									.8	5.5
NW	.3	.4	.6	.3								1.6	6.7
NNW	.5	1.1	.7	.5	.2	.1						3.0	8.4
VARBL													
CALM												21.7	
	14.2	27.4	24.2	10.8	1.3	.4						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 1860

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928

WACO TEXAS/JAMES CONNALLY AFB

42-44, 49-64

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0300-0500

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.8	3.4	2.6	2.1	.2						12.2	10.3
NNE	.7	1.3	2.0	1.3	.5	.2						6.0	9.8
NE	.4	1.4	2.3	.6	.4	.1						5.1	8.7
ENE	.4	.6	.9	.2								2.1	7.1
E	.3	.5	.2	.1								1.0	5.0
ESE	.2	.6	.2	.1								1.0	5.8
SE	.5	1.4	1.1	.1								3.0	5.9
SSE	1.1	2.3	2.2	.5								6.1	6.4
S	1.9	5.9	7.7	2.1	.2							17.8	7.3
SSW	.7	1.1	3.5	1.6	.2							7.1	8.8
SW	.4	.9	.8	.5								2.6	7.2
WSW	.5	.8	.3	.1								1.6	5.3
W	.5	1.4	.4	.2								2.4	5.5
WNW	.2	1.2	1.2	.1								2.7	6.5
NW	1.1	1.8	2.0	.6	.1	.1						5.6	6.9
NNW	.5	1.2	1.3	.9	.5							4.4	9.2
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	19.2	
	10.1	25.2	29.4	11.6	4.0	.6						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

1709

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 49-64
YEARS

NOV
MONTH

0300-0500
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.8	3.4	2.6	2.1	.2						12.2	10.3
NNE	.7	1.3	2.0	1.3	.5	.2						6.0	9.8
NE	.4	1.4	2.3	.6	.4	.1						5.1	8.7
ENE	.4	.6	.9	.2								2.1	7.1
E	.3	.5	.2	.1								1.0	5.0
ESE	.2	.6	.2	.1								1.0	5.8
SE	.5	1.4	1.1	.1								3.0	5.9
SSE	1.1	2.3	2.2	.5								6.1	6.4
S	1.9	5.9	7.7	2.1	.2							17.8	7.3
SSW	.7	1.1	3.5	1.6	.2							7.1	8.8
SW	.4	.9	.8	.5								2.6	7.2
WSW	.5	.8	.3	.1								1.6	5.3
W	.5	1.4	.4	.2								2.4	5.5
WNW	.2	1.2	1.2	.1								2.7	6.5
NW	1.1	1.8	2.0	.6	.1	.1						5.6	6.9
NNW	.5	1.2	1.3	.9	.5							4.4	9.2
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	19.2	
	10.1	25.2	29.4	11.6	4.0	.6						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

1709

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 49-64
YEARS

NOV
MONTH

0600-0800
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
DIR.													
N	.9	2.3	2.9	3.3	1.6	.2						11.2	10.7
NNE	.6	1.9	1.9	1.6	.8	.2						7.0	9.5
NE	.4	1.3	1.8	.9	.3							4.7	8.5
ENE	.1	.7	1.1	.2								2.0	7.7
E	.5	.7	.5	.1								1.8	5.2
ESE	.3	.6	.4	.1								1.4	5.5
SE	.6	1.6	.8	.4								3.5	6.3
SSE	.9	2.8	3.0	.7	.1							7.5	7.0
S	2.0	4.3	6.9	2.6	.1							15.8	7.5
SSW	.6	1.8	3.4	1.8	.2							7.8	8.7
SW	.5	.6	.4	.2								1.8	6.3
WSW	.4	.8	.3	.1								1.5	5.7
W	.5	1.1	.5	.2								2.2	5.8
WNW	1.0	.8	.6	.4								2.9	5.9
NW	.7	1.5	2.1	1.1	.1	.1						5.5	8.0
NNW	.7	1.2	2.2	1.5	.5	.2						6.2	9.6
VARBL													
CALM												17.3	
	10.6	24.0	28.9	15.0	3.6	.6						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

1710

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WIND

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 49-64
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.3	3.1	3.7	1.5	.5	.1	.1				10.5	12.3
NNE	.4	.7	2.7	1.9	1.7	.4						7.8	12.2
NE	.3	1.3	2.3	1.7	.5	.2						6.2	10.0
ENE	.2	.8	1.3	.5	.1							2.9	8.4
E	.2	.5	1.0	.4								2.1	8.2
ESE	.1	.2	.4	.1								.8	7.6
SE	.4	1.1	1.2	.2								2.9	6.4
SSE	.8	2.3	2.6	1.8	.1							7.6	8.2
S	1.2	3.2	7.0	5.1	.9	.2						17.7	9.6
SSW	.4	1.8	3.6	4.0	2.2	.3						12.3	11.6
SW	.3	1.5	1.7	1.6	.5							5.6	9.5
WSW	.2	.6	.9	.2	.1							1.9	7.6
W	.2	.9	.6	.2		.1						2.0	7.3
WNW	.2	.3	.5	.1	.1	.1						1.2	8.3
NW	.3	.5	1.1	1.3	.5	.1						3.7	10.7
NNW	.2	.4	2.0	2.3	.9	.1						6.0	11.9
VARBL													
CALM												8.8	
	5.8	17.5	31.9	24.9	9.1	1.9	.1	.1				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 1710

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44,49-64
YEARS

NOV
MONTH

1200-1400
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.1	3.9	4.4	2.2	.2	.1					12.3	12.0
NNE	.2	1.1	2.0	1.9	1.3	.2						6.8	11.7
NE	.3	1.1	1.9	1.1	.6							5.0	9.9
ENE	.2	.4	1.3	.9								2.8	9.0
E	.2	1.0	.8	.2								2.2	6.9
ESE	.2	.3	.7	.1								1.3	7.4
SE	.3	1.1	.7	.4	.1							2.5	7.4
SSE	.3	1.1	2.2	1.4	.2							5.2	9.1
S	.6	2.1	7.0	5.7	1.6	.2						17.2	10.6
SSW	.2	1.5	3.6	5.3	3.6	.4						14.5	12.9
SW	.5	.8	2.2	3.0	.5	.1						7.0	10.8
WSW	.2	.7	.6	.4	.2							2.2	8.3
W	.4	.8	.9	.3	.3							2.6	8.5
WNW	.2	.6	.9	.2	.2	.1						2.3	8.7
NW	.1	.6	1.4	.9	.6							3.8	10.7
NNW	.4	.4	1.9	2.7	1.2	.4						7.1	12.7
VARBL													
CALM												5.2	
	4.6	14.7	32.1	29.0	12.7	1.6	.1					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

1710

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 49-64
YEARS

NOV
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.5	3.9	3.7	1.2	.2	.1					11.4	11.0
NNE	.2	.8	2.0	2.0	.9	.2						6.1	11.6
NE	.6	2.3	3.1	1.3	.5							7.9	8.5
ENE	.2	1.2	1.1	.3	.1							2.8	7.0
E	.1	.9	1.0	.2								2.2	6.9
ESE	.2	.5	1.0	.2	.1							2.0	7.7
SE	.5	1.5	1.2	.1	.1							3.3	6.2
SSE	.5	2.0	3.5	1.5	.2							7.8	8.3
S	.8	3.3	6.9	6.6	1.2	.2						19.1	10.2
SSW	.4	.9	3.0	3.7	1.8	.2						10.0	11.9
SW	.3	.7	1.2	1.7	.2							4.2	10.3
WSW	.2	.8	.6	.2								1.7	6.7
W	.4	.8	.8	.6	.1							2.6	7.9
WNW	.1	.2	.4	.4	.2	.1						1.3	11.6
NW	.3	.5	1.6	.5	.2							3.1	8.9
NNW	.1	.8	2.2	3.2	1.5	.2						8.0	12.4
VARBL													
CALM												6.6	
	5.7	18.7	33.5	26.2	8.3	1.1	.1					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 1709

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 49-64
YEARS

NOV
MONTH

1800-2000
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	4.0	3.2	2.0	.6	.2	.1					10.9	8.7
NNE	.5	1.2	2.2	1.7	.6	.2						6.4	10.3
NE	.9	2.5	1.9	1.0	.2	.1						6.6	7.4
ENE	.9	1.4	.7	.1	.1							3.3	5.9
E	.7	1.2	.9	.3								3.2	6.1
ESE	.5	.8	.9	.2								2.3	6.4
SE	.5	2.9	1.7	.1								5.2	5.9
SSE	1.4	4.2	3.1	1.2								9.9	6.7
S	2.2	6.7	6.8	3.0	.4	.1						19.1	7.6
SSW	.7	.9	2.6	1.7	.1							6.0	8.9
SW	.5	.8	.8	.2								2.2	6.2
WSW	.3	.4	.1									.8	4.2
W	.2	.9	.2	.1								1.5	5.6
WNW	.4	.5	.5	.2								1.6	6.5
NW	.6	1.4	.9	.2	.1	.1						3.3	6.6
NNW	.5	1.8	1.5	.8	.4	.2	.1					5.2	9.3
VARBL													
CALM												12.6	
	11.6	31.7	28.0	12.7	2.4	.8	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 1710

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACD TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 49-64
YEARS

NOV
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	3.2	2.8	2.3	.9	.4	.1					10.9	9.5
NNE	.5	1.1	2.0	1.2	.5	.1	.1					5.5	9.9
NE	.9	1.8	2.2	.9	.2	.1						6.0	7.9
ENE	.4	.6	.8		.1							1.9	6.2
E	.6	.9	.5	.1								2.0	5.1
ESE	.4	.6	.3									1.2	4.9
SE	.7	2.0	1.0	.2	.1							3.9	5.9
SSE	.6	3.2	2.6	1.5	.1							8.0	7.6
S	1.7	4.9	6.4	5.0	.9	.2						19.1	9.0
SSW	.4	2.6	2.8	1.7	.1	.1						7.6	8.3
SW	.1	.8	.9	.1								1.9	6.6
WSW	.1	.6	.2		.1							.9	6.4
W	.5	.9	.6	.1								2.2	5.6
WNW	.3	.9	.7									1.9	5.7
NW	.4	.6	1.5	.3	.1	.1						2.9	8.0
NNW	.8	1.7	1.9	.8	.2	.2						5.5	8.1
VARBL													
CALM												18.4	
	9.5	26.4	27.2	14.0	3.3	1.1	.2					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

1709

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 48-64
YEARS

DEC
MONTH

0000-0200
HOURS (LST)

ALL WEATHER

CLAYS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.5	4.7	2.4	1.8	.4	.1					12.8	10.3
NNE	.5	1.3	1.7	1.3	.3							5.2	9.0
NE	.5	.6	1.8	.9	.1							3.9	8.4
ENE	.2	.5	.6	.2								1.5	7.3
E	.2	.3	.4	.2								1.2	7.5
ESE	.4	.5	.1	.1								1.0	4.6
SE	.6	1.1	.6	.4								2.7	6.5
SSE	.8	1.5	1.8	.4								4.5	6.7
S	2.3	5.8	6.7	2.6	.5	.1						18.1	7.6
SSW	.8	1.2	3.3	1.2	.2	.1						7.6	8.0
SW	.4	.8	.5	.1								1.8	5.5
WSW	.2	.6	.4	.1	.1							1.4	6.6
W	.6	1.0	1.6	.1								3.3	6.2
WNW	.6	.6	1.1	.2	.2							2.7	6.8
NW	.7	2.2	1.6	.6	.3							5.4	7.2
NNW	.6	1.4	2.6	1.6	.6	.2						7.0	9.8
VARBL													
CALM												20.2	
	10.6	22.6	29.6	12.3	4.0	.7	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

1860

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 48-64
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.3	4.0	3.2	1.2	.1	.2					11.5	10.4
NNW	.5	1.3	2.2	2.0	.5	.1						6.7	9.7
NE	.2	.9	2.0	1.1								4.3	4.0
ENE	.3	.5	.8	.1								1.7	6.6
E	.3	.3	.3	.1	.1							1.1	7.1
ESE	.2	.3	.1	.1								.8	6.2
SE	.3	1.2	.9	.2	.1							2.6	7.0
SSE	1.2	1.9	1.9	.3								5.2	5.9
S	2.2	4.9	6.5	2.1	.2							15.9	7.3
SSW	.9	2.0	3.4	.8	.5							7.5	7.9
SW	.3	.9	.5	.1								1.8	5.8
WSW	.5	.8	.3									1.6	4.8
W	.5	1.0	1.2									2.6	6.1
WNW	.6	.8	1.6	.2	.2							3.4	7.4
NW	.8	2.2	1.8	.7	.4	.2						6.0	7.8
NNW	.7	1.9	2.0	1.5	.7	.2						7.1	9.4
VARBL													
CALM												20.1	
	10.1	23.1	29.5	12.5	3.8	.6	.2					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

1858

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WIND

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 48-64
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.0	3.8	3.5	1.2	.4						11.5	10.6
NNE	.6	1.1	2.7	2.7	.4	.2						7.7	10.0
NE	.4	.6	1.6	1.0	.2							3.8	9.0
ENE	.3	.5	.4	.3								1.4	6.7
E	.2	.4	.3	.1								.9	5.6
ESE	.3	.7	.2	.1								1.3	5.9
SE	.5	1.0	.9	.4	.1							2.9	7.3
SSE	1.2	1.7	1.9	.5								5.3	6.3
S	1.9	5.8	6.1	1.6	.1	.1						15.6	7.0
SSW	1.1	2.2	2.7	1.1	.3							7.4	7.8
SW	.1	.7	.7	.1								1.6	6.7
WSW	.2	.6	.4	.2								1.5	6.5
W	.7	1.7	1.0	.1	.1							3.5	5.6
WNW	.2	1.2	1.3	.4								3.2	7.2
NW	.9	1.7	1.1	.8	.4	.1						4.9	8.0
NNW	.7	2.0	2.5	2.7	.9	.2						9.1	10.1
VARBL													
CALM												18.4	
	9.8	23.9	27.6	15.6	3.7	.9						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 1860

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 48-64
YEARS

DEC
MONTH

0900-1100
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.9	3.3	4.2	1.9	.3						12.2	11.5
NNE	.5	.8	1.9	2.0	1.1	.2						6.5	11.3
NE	.3	.8	1.7	1.5	.3	.1						4.6	10.2
ENE	.2	.9	.9	.4	.1							2.5	8.1
E	.4	.5	.6	.2								1.8	6.5
ESE	.3	.4	.5	.3								1.5	7.1
SE	.2	.8	.9	.5	.1							2.4	8.5
SSE	.5	1.4	2.3	.9	.1							5.3	7.9
S	1.1	4.1	7.2	3.9	.3	.1						16.7	8.5
SSW	.7	2.2	4.7	2.6	.9	.3						11.4	9.8
SW	.7	1.1	1.7	.9	.2							4.5	8.0
WSW	.4	.5	.9	.4								2.2	7.8
W	.5	1.0	.7	.3	.1							2.6	6.7
WNW	.2	.4	1.0	.4	.1							2.1	8.6
NW	.3	1.0	1.7	1.6	.8							5.4	10.4
NNW	.2	1.2	3.0	3.4	1.7	.6	.1					10.2	12.4
VARBL													
CALM												8.1	
	6.9	19.1	33.0	23.7	7.6	1.6	.1					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

1859

1210 WS FORM JUL 64 0-8-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 48-64
YEARS

DEC
NORTH

1200-1400
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.0	4.1	3.9	2.6	.3						12.3	12.1
NNE	.3	.9	2.6	2.5	.8	.1						7.2	11.0
NE	.4	1.0	1.7	1.8	.2	.1						5.2	10.0
ENE	.2	1.0	.9	.8	.1							2.9	8.8
E	.2	.9	.5	.1								1.7	6.0
ESE	.3	.4	.2	.1								1.0	5.6
SE	.3	.4	.7	.2	.1							1.6	7.3
SSE	.4	.9	2.2	1.0	.7							4.6	8.4
S	.7	2.6	5.6	4.5	1.1	.1						15.0	11.2
SSW	.6	1.0	3.7	6.9	1.3	.5						13.9	12.0
SW	.6	.8	3.2	1.7	.1							6.3	9.0
WSW	.3	.6	.9	.7	.2							2.7	8.9
W	.3	1.1	.7	.9	.3							3.3	8.9
WNW	.3	.4	.8	.5	.2	.1						2.3	9.4
NW	.2	1.1	1.3	1.9	.2	.2						4.9	10.4
NNW	.3	1.1	2.5	3.7	1.8	.4	.2					9.9	12.9
VARBL													
CALM												5.3	
	5.8	15.2	31.6	31.1	9.2	1.6	.2					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

1859

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 48-64
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.9	3.2	5.1	1.9	.5	.1					12.9	11.8
NNE	.2	.9	2.1	2.5	.8							6.6	10.8
NE	.6	1.6	2.9	1.9	.2							7.2	8.8
ENE	.1	.6	1.2	.3								2.2	8.4
E	.5	.8	1.0	.1								2.5	6.0
ESE	.5	.4	.3	.1								1.3	5.3
SE	.4	1.3	.7	.1								2.5	6.2
SSE	.6	2.0	2.5	1.5	.1							6.6	8.0
S	1.0	3.2	6.9	4.6	.8	.1						16.6	9.3
SSW	.3	1.2	3.3	4.3	1.2	.4						10.7	11.7
SW	.4	.8	1.6	1.0	.2							4.8	9.0
WSW	.3	.9	.8	.3								2.4	6.8
W	.5	.8	.9	.4	.2							2.7	7.9
WNW	.3	.6	.8	.4	.1	.1						2.2	8.1
NW	.2	.7	1.6	1.4	.3	.1						4.3	10.4
NNW	.3	.8	2.9	3.2	.9	.4	.1					8.6	11.8
VARBL													
CALM												6.7	
	6.4	18.5	32.8	27.4	6.6	1.6	.1					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

1828

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

4-2-44, 48-64
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	3.4	4.6	2.2	1.1	.6						12.9	9.7
NNE	.6	1.4	3.6	1.7	.5	.3	.1					8.1	10.0
NE	1.0	1.6	2.2	.7	.1							5.5	7.1
ENE	.6	.6	.6	.1								1.8	5.6
E	1.1	.6	.7	.2								2.6	5.2
ESE	.5	.8	.5	.2								1.9	6.1
SE	1.1	1.7	.9	.4								4.1	5.7
SSE	1.3	3.5	3.1	.7								8.6	6.4
S	1.4	5.4	6.5	2.2	.5	.1						16.0	7.6
SSW	.5	2.5	2.8	1.0	.2							7.0	7.7
SW	.3	1.1	.4		.1							1.9	5.8
WSW	.2	.5	.1	.1								.7	5.5
W	.2	.9	.4									1.5	5.8
WNW	.1	.4	.3	.1	.1							1.0	8.0
NW	.1	1.4	1.8	.3	.5	.1						4.1	8.8
NNW	.8	1.6	3.2	1.0	.5	.1						7.2	8.3
VARBL													
CALM												15.2	
	10.6	27.3	31.6	10.8	3.4	1.1	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

767

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB.
STATION NAME

42-44, 48-64
YEARS

DEC
MONTH

2100-2300
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	3.6	3.6	1.8	1.5	.3	.1					11.6	9.7
NNE	.7	1.6	2.0	2.3	.6	.1						7.3	9.7
NE	.3	1.6	2.0	.9	.1							4.8	8.0
ENE	.2	.8	.7	.2								1.9	6.7
E	.3	1.1	.4									1.8	5.1
ESE	.8	.5	.3	.1								1.7	4.8
SE	1.1	1.2	.7	.2	.1							3.3	5.6
SSE	.8	1.9	1.8	1.2	.1							5.8	7.5
S	2.0	5.5	6.1	2.9	.7							17.1	7.9
SSW	1.1	2.2	3.0	.6	.1							6.9	7.0
SW	.5	1.0	.5	.3								2.3	6.5
WSW	.1	.7	.7									1.4	6.2
W	.3	1.0	.7	.1								2.1	5.6
WNW	.3	1.0	.9	.2	.1							2.4	6.9
NW	.1	1.8	1.5	.4	.2	.1						4.1	8.2
NNW	.9	2.0	2.4	1.1	1.0	.2						7.6	9.5
VARBL													
Sum												17.8	
	10.1	27.5	27.2	12.3	4.3	.7	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

1767

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 48-64
YEARS

ALL
MONTH

INSTRUMENT

CLASS

ALL

HOURS (LST)

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,
CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.7	3.9	3.7	1.2	.3	.0	.0				11.4	10.8
NNE	.4	1.2	3.2	2.5	.6	.1	.0					8.1	10.4
NE	.5	1.6	2.9	1.4	.3	.0						6.7	8.9
ENE	.4	.9	1.6	.5	.1	.0	.0					3.6	8.0
E	.5	1.1	1.3	.4	.1	.1	.0					3.5	7.5
ESE	.4	.9	.9	.3	.0	.0						2.4	7.0
SE	.6	1.5	2.0	.7	.1	.0						4.8	7.6
SSE	.7	2.2	4.7	2.4	.3	.0	.0					10.3	8.8
S	1.3	3.7	8.4	5.5	.6	.1						19.6	9.2
SSW	.3	1.6	3.9	2.9	.6	.1						9.4	10.0
SW	.3	.5	.9	.5	.1	.0						2.3	8.8
WSW	.1	.2	.3	.1	.0							.8	7.7
W	.2	.3	.3	.1	.0	.0						.9	7.3
WNW	.1	.2	.3	.2	.1	.0						1.0	9.3
NW	.2	.4	1.0	.8	.2	.1	.0	.0				2.7	10.7
NNW	.2	.8	1.9	2.0	.9	.2	.0					5.9	11.6
VARBL													
CALM												6.4	
	6.7	18.9	37.6	24.1	5.3	1.0	.1	.0				100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

17840

DATA PROCESSING
ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER, USAF
Air Weather Service (MATS)
Asheville, North Carolina 28801

REPLY TO
ATTN OF: ETAC/DPD

22 December 1965

SUBJECT: Surface Summaries

TO: 25 Wea Sq ✓
5 Wea Wg (5WWSS)
3 Wea Wg

1. Reference: Ltr, 5WW, 9 Dec 65, Standard Summaries.

2. We are sending copies of revised Uniform Summary of Surface Weather Observations as follows:

13928 Waco Texas/James Connally AFB
Parts A thru F Hrly Obs: May 42 - Oct 45, Dec 48 - Dec 64
Daily Obs: May 42 - Oct 45, Dec 48 - May 64

3. Summaries for 13920, Forbes AFB, Kansas, were mailed 15 Dec 65 to Det 35, 25 Wea Sq, 5 Wea Wg, 4 Wea Wg, 3 Wea Wg and ETAC, USAF.

FOR THE DIRECTOR

C W Martinusen Jr
C W MARTINUSEN, JR, 1st Lt, USAF
Administrative Officer

Atch
Summaries (1 Bk)

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MATS)
ASHEVILLE, NORTH CAROLINA

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand columns. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period will be eliminated from the summary for short periods or be limited to ceilings at or below 10,000 feet. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1946. Beginning in July 1948 for Air Force stations and January 1949 for USWB and US Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below:

JANUARY _____
FEBRUARY _____
MARCH _____

APRIL _____
MAY _____
JUNE _____

JULY _____
AUGUST _____
SEPTEMBER _____

OCTOBER _____
NOVEMBER _____
DECEMBER _____

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq 5/16$	$\geq \frac{1}{8}$	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; ie: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 ft and/or vsby < 3 miles.

Likewise, the percentage of observations with ceiling < 500 ft and/or vsby < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

ADDITIONAL EXAMPLES

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observation meet the criteria: "ceiling ≥ 500 feet with vsby ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with vsby ≥ 1 miles."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,48-64
YEAR

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	> 10	> 6	> 5	> 4	> 3	> 2 1/2	> 2	> 1 1/2	> 1 1/4	> 1	> 3/4	> 1/2	> 1/4	> 5/16	> 1/8	> 0
NO CEILING	45.2	47.1	47.3	47.4	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.8	47.8
20000	61.5	64.2	64.5	64.8	64.9	64.9	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.2
18000	61.6	64.3	64.6	64.9	65.0	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.3
16000	61.7	64.5	64.8	65.1	65.2	65.2	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.5	65.5
14000	62.8	65.7	66.0	66.2	66.4	66.4	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.7	66.7
12000	64.7	67.7	68.0	68.3	68.4	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7
10000	66.2	69.3	69.7	70.0	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.5
9000	66.7	69.9	70.3	70.5	70.7	70.7	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	71.0	71.0
8000	67.4	70.8	71.2	71.4	71.6	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9
7000	68.0	71.5	71.9	72.2	72.4	72.4	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.7
6000	68.8	72.4	72.8	73.1	73.2	73.3	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.6
5000	70.0	73.8	74.3	74.6	74.8	74.8	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.1	75.1
4500	70.6	74.5	75.0	75.3	75.5	75.5	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.8	75.8	75.8
4000	72.0	76.1	76.6	76.9	77.2	77.2	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.5	77.5
3500	73.1	77.4	77.9	78.3	78.5	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8
3000	74.7	79.3	79.9	80.2	80.5	80.5	80.6	80.7	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.9
2500	76.6	81.5	82.1	82.5	82.7	82.7	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.1	83.1
2000	78.6	84.0	84.7	85.1	85.4	85.4	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.8	85.8	85.8
1800	79.4	85.1	85.7	86.2	86.5	86.5	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.9	86.9
1500	80.9	87.0	87.8	88.3	88.6	88.6	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.1	89.1
1200	82.4	89.2	90.1	90.6	91.0	91.0	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.5	91.5	91.6
1000	83.2	90.6	91.6	92.2	92.6	92.7	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.2	93.2	93.3
900	83.5	91.1	92.2	92.8	93.3	93.3	93.6	93.7	93.7	93.8	93.8	93.8	93.8	93.9	93.9	94.0
800	83.8	91.8	92.9	93.7	94.2	94.3	94.6	94.7	94.7	94.8	94.9	94.9	94.9	94.9	94.9	95.0
700	84.0	92.3	93.5	94.4	95.0	95.0	95.4	95.5	95.5	95.7	95.7	95.7	95.7	95.8	95.8	95.9
600	84.1	92.7	94.0	95.0	95.7	95.7	96.1	96.3	96.3	96.5	96.5	96.5	96.5	96.6	96.6	96.7
500	84.2	93.0	94.4	95.5	96.3	96.4	96.9	97.1	97.1	97.4	97.4	97.4	97.4	97.5	97.5	97.6
400	84.2	93.1	94.6	95.7	96.7	96.8	97.4	97.6	97.7	98.0	98.1	98.1	98.2	98.2	98.3	98.3
300	84.2	93.2	94.7	95.9	96.8	96.9	97.7	98.0	98.0	98.4	98.6	98.6	98.7	98.7	98.8	98.8
200	84.2	93.2	94.7	95.9	96.9	97.0	97.8	98.1	98.1	98.7	98.8	98.8	99.0	99.0	99.1	99.2
100	84.2	93.2	94.8	95.9	96.9	97.0	97.8	98.1	98.2	98.8	99.0	99.0	99.2	99.2	99.4	99.6
0	84.2	93.2	94.8	95.9	96.9	97.0	97.9	98.1	98.2	98.8	99.0	99.0	99.3	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

171055

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	36.7	38.1	38.2	38.3	38.4	38.4	38.4	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.6
20000	50.7	53.0	53.2	53.4	53.5	53.5	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.8	53.9
18000	50.8	53.2	53.4	53.6	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.9	53.9	53.9	53.9	54.1
16000	51.0	53.4	53.6	53.8	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.1	54.3
14000	52.5	54.9	55.1	55.3	55.4	55.4	55.4	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.8
12000	54.2	56.8	57.0	57.2	57.3	57.3	57.3	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.6	57.7
10000	55.4	58.3	58.5	58.7	58.8	58.8	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.1	59.2
9000	56.2	58.9	59.1	59.3	59.4	59.4	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.8
8000	56.9	59.7	59.9	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.5	60.6
7000	57.4	60.3	60.5	60.7	60.8	60.8	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.1	61.2
6000	58.4	61.4	61.6	61.8	61.9	61.9	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.3
5000	59.3	62.4	62.7	62.9	63.0	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.5
4500	59.8	63.0	63.3	63.5	63.6	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	64.1
4000	60.8	64.2	64.6	64.8	65.0	65.0	65.0	65.0	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.4
3500	61.9	65.5	65.9	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.6	66.7
3000	63.1	67.1	67.5	67.7	67.9	67.9	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.2	68.3
2500	65.1	69.5	70.0	70.3	70.4	70.4	70.5	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.8	70.9
2000	67.2	72.3	72.9	73.2	73.4	73.4	73.5	73.6	73.6	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.9
1800	68.2	73.6	74.2	74.6	74.8	74.8	74.9	75.0	75.0	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.4
1500	69.6	76.0	76.8	77.2	77.5	77.5	77.6	77.7	77.7	77.8	77.9	77.9	77.9	77.9	77.9	78.0	78.1
1200	71.1	78.8	79.8	80.3	80.7	80.8	81.0	81.1	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.4	81.5
1000	71.9	80.5	81.8	82.4	82.9	83.0	83.2	83.4	83.4	83.6	83.6	83.6	83.7	83.7	83.7	83.8	83.9
900	72.3	81.3	82.7	83.4	84.0	84.1	84.4	84.5	84.6	84.7	84.8	84.8	84.9	84.9	84.9	84.9	85.1
800	72.6	82.3	83.8	84.8	85.4	85.5	85.9	86.1	86.1	86.3	86.4	86.4	86.5	86.5	86.5	86.6	86.7
700	72.8	83.0	84.7	85.8	86.6	86.7	87.3	87.5	87.6	87.8	87.8	87.9	87.9	87.9	87.9	88.0	88.2
600	73.0	83.8	85.8	87.1	88.1	88.3	89.0	89.3	89.5	89.6	89.8	89.8	89.9	89.9	89.9	89.9	90.1
500	73.1	84.3	86.5	88.2	89.5	89.7	90.8	91.1	91.2	91.8	91.9	91.9	92.1	92.1	92.1	92.2	92.3
400	73.1	84.7	87.0	88.8	90.4	90.6	92.0	92.5	92.5	93.4	93.6	93.6	93.8	93.8	93.8	93.9	94.1
300	73.1	84.8	87.3	89.1	90.9	91.1	92.8	93.3	93.4	94.7	95.0	95.0	95.4	95.4	95.4	95.6	95.8
200	73.1	84.9	87.3	89.2	91.1	91.3	93.1	93.8	93.8	95.4	95.9	95.9	96.6	96.6	96.6	96.9	97.1
100	73.1	84.9	87.3	89.2	91.1	91.4	93.2	93.9	93.9	95.7	96.3	96.3	97.3	97.3	97.3	97.9	98.4
0	73.1	84.9	87.3	89.2	91.1	91.4	93.2	93.9	93.9	95.7	96.4	96.4	97.4	97.4	97.4	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS

14372

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	> 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	> 1/2	≥ 5/16	> 1/4
NO CEILING	36.4	39.3	39.6	39.9	40.3	40.3	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.6	40.6	40.6
20000	48.4	51.9	52.4	53.0	53.5	53.5	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.9	53.9	54.0
18000	48.5	52.0	52.5	53.1	53.6	53.6	53.7	53.8	53.8	53.9	53.9	53.9	53.9	54.0	54.0	54.1
16000	48.6	52.1	52.6	53.2	53.7	53.7	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.1	54.1	54.2
14000	49.2	52.9	53.4	54.0	54.5	54.5	54.6	54.7	54.7	54.8	54.8	54.8	54.8	54.9	54.9	55.0
12000	50.5	54.3	54.9	55.4	55.9	56.0	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.4	56.4	56.5
10000	51.8	55.9	56.5	57.1	57.6	57.6	57.8	57.8	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.1
9000	52.4	56.5	57.1	57.7	58.2	58.2	58.4	58.5	58.5	58.6	58.6	58.6	58.6	58.7	58.7	58.8
8000	53.4	57.7	58.3	58.9	59.5	59.5	59.7	59.7	59.7	59.8	59.9	59.9	59.9	59.9	59.9	60.0
7000	54.4	58.8	59.5	60.1	60.6	60.6	60.8	60.9	60.9	61.0	61.0	61.0	61.0	61.1	61.1	61.2
6000	55.1	59.8	60.5	61.1	61.7	61.7	61.9	61.9	61.9	62.0	62.1	62.1	62.1	62.2	62.2	62.3
5000	56.3	61.1	62.0	62.6	63.2	63.2	63.4	63.5	63.5	63.6	63.6	63.6	63.6	63.7	63.7	63.8
4500	56.8	61.8	62.7	63.4	63.9	63.9	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.4	64.4	64.6
4000	57.9	63.2	64.2	64.8	65.4	65.5	65.7	65.7	65.7	65.8	65.9	65.9	65.9	65.9	65.9	66.1
3500	59.0	64.6	65.5	66.2	66.8	66.8	67.1	67.1	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.5
3000	60.6	66.5	67.5	68.3	68.9	68.9	69.2	69.2	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.6
2500	62.4	68.9	69.9	70.7	71.4	71.4	71.6	71.7	71.7	71.8	71.8	71.8	71.8	71.9	71.9	72.1
2000	64.6	72.0	73.1	74.0	74.7	74.7	75.0	75.1	75.1	75.2	75.2	75.2	75.2	75.3	75.3	75.5
1800	65.7	73.4	74.6	75.5	76.3	76.3	76.6	76.7	76.7	76.8	76.9	76.9	76.9	77.0	77.0	77.2
1500	67.4	76.0	77.4	78.4	79.2	79.3	79.6	79.7	79.8	79.9	79.9	79.9	79.9	80.0	80.0	80.3
1200	69.1	79.0	80.5	81.7	82.7	82.8	83.2	83.3	83.3	83.4	83.5	83.5	83.5	83.6	83.6	83.8
1000	70.3	81.0	82.8	84.2	85.3	85.3	85.7	85.9	85.9	86.1	86.1	86.1	86.1	86.2	86.2	86.5
900	70.6	81.9	83.8	85.3	86.6	86.7	87.1	87.3	87.3	87.5	87.5	87.5	87.5	87.6	87.6	87.8
800	71.0	83.0	85.1	86.8	88.3	88.5	89.1	89.3	89.3	89.5	89.5	89.5	89.5	89.6	89.6	89.9
700	71.3	83.8	86.1	88.0	89.8	90.0	90.6	90.9	90.9	91.1	91.1	91.1	91.1	91.2	91.2	91.5
600	71.5	84.4	86.9	88.9	90.9	91.1	91.9	92.3	92.3	92.6	92.6	92.6	92.6	92.7	92.7	93.0
500	71.6	84.9	87.6	89.9	92.1	92.4	93.5	94.0	94.0	94.4	94.5	94.5	94.5	94.7	94.7	94.9
400	71.6	85.1	87.9	90.3	92.9	93.2	94.5	95.0	95.1	95.7	95.8	95.8	95.8	96.0	96.0	96.3
300	71.6	85.2	88.1	90.6	93.3	93.7	95.2	95.9	95.9	96.7	96.9	96.9	96.9	97.2	97.2	97.5
200	71.6	85.2	88.1	90.7	93.4	93.7	95.4	96.1	96.2	97.2	97.5	97.5	97.5	97.9	97.9	98.3
150	71.6	85.2	88.1	90.7	93.4	93.8	95.4	96.2	96.3	97.4	97.8	97.8	97.8	98.4	98.4	98.8
0	71.6	85.2	88.1	90.7	93.4	93.8	95.4	96.2	96.3	97.4	97.8	97.8	97.8	98.4	98.5	99.0

TOTAL NUMBER OF OBSERVATION 12886

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.6	41.5	41.7	42.0	42.3	42.3	42.4	42.5	42.5	42.7	42.8	42.8	42.8	42.8	42.9	42.9
> 20000	52.3	56.2	56.6	57.0	57.3	57.3	57.5	57.6	57.6	57.8	57.8	57.8	57.9	57.9	57.9	58.0
> 18000	52.5	56.4	56.9	57.2	57.5	57.6	57.7	57.8	57.8	58.0	58.1	58.1	58.1	58.1	58.2	58.2
> 16000	52.6	56.6	57.0	57.4	57.7	57.7	57.9	58.0	58.0	58.2	58.2	58.2	58.3	58.3	58.3	58.4
> 14000	53.6	57.8	58.2	58.6	58.9	58.9	59.1	59.2	59.2	59.4	59.4	59.4	59.5	59.5	59.5	59.6
> 12000	54.7	59.2	59.7	60.1	60.4	60.4	60.5	60.6	60.6	60.8	60.9	60.9	60.9	60.9	61.0	61.0
> 10000	55.8	60.4	60.9	61.3	61.6	61.6	61.8	61.9	61.9	62.1	62.1	62.1	62.2	62.2	62.2	62.3
> 9000	56.3	61.0	61.5	61.9	62.2	62.2	62.4	62.5	62.5	62.7	62.7	62.7	62.8	62.8	62.8	62.9
> 8000	57.1	61.9	62.5	62.9	63.2	63.2	63.4	63.5	63.5	63.7	63.7	63.8	63.8	63.8	63.9	63.9
> 7000	57.8	62.8	63.4	63.8	64.1	64.1	64.3	64.4	64.4	64.6	64.7	64.7	64.7	64.7	64.8	64.8
> 6000	58.8	64.0	64.6	65.0	65.3	65.4	65.6	65.7	65.7	65.9	65.9	65.9	66.0	66.0	66.0	66.1
> 5000	60.2	65.8	66.4	66.9	67.2	67.3	67.5	67.6	67.6	67.8	67.8	67.8	67.9	67.9	67.9	68.0
> 4500	60.8	66.6	67.2	67.7	68.0	68.1	68.2	68.4	68.4	68.6	68.6	68.6	68.7	68.7	68.7	68.8
> 4000	62.2	68.3	68.9	69.5	69.8	69.8	70.0	70.1	70.1	70.4	70.4	70.4	70.4	70.4	70.5	70.5
> 3500	63.5	69.9	70.5	71.1	71.4	71.4	71.6	71.8	71.8	72.0	72.0	72.0	72.1	72.1	72.1	72.2
> 3000	65.5	72.3	73.1	73.6	74.0	74.0	74.2	74.4	74.4	74.6	74.6	74.6	74.7	74.7	74.7	74.8
> 2500	67.6	75.1	75.9	76.5	76.9	77.0	77.2	77.3	77.3	77.6	77.6	77.6	77.6	77.6	77.7	77.7
> 2000	70.7	79.0	79.8	80.5	81.0	81.0	81.3	81.4	81.4	81.7	81.7	81.7	81.8	81.8	81.8	81.9
> 1800	71.9	80.5	81.4	82.1	82.6	82.6	82.9	83.1	83.1	83.3	83.4	83.4	83.4	83.4	83.5	83.5
> 1500	73.8	83.2	84.1	84.9	85.4	85.5	85.8	86.0	86.0	86.3	86.3	86.3	86.4	86.4	86.4	86.5
> 1200	75.7	86.0	87.1	88.0	88.5	88.6	89.0	89.2	89.2	89.4	89.5	89.5	89.6	89.6	89.6	89.7
> 1000	76.5	87.6	88.8	89.8	90.4	90.5	91.0	91.2	91.2	91.5	91.5	91.5	91.6	91.6	91.7	91.7
> 900	76.8	88.2	89.5	90.6	91.3	91.3	91.8	92.0	92.0	92.3	92.4	92.4	92.5	92.5	92.5	92.6
> 800	77.1	89.0	90.4	91.6	92.3	92.4	93.0	93.2	93.2	93.5	93.6	93.6	93.7	93.7	93.7	93.8
> 700	77.4	89.6	91.2	92.6	93.4	93.5	94.2	94.5	94.5	94.8	94.9	94.9	95.0	95.0	95.0	95.1
> 600	77.5	90.2	91.9	93.4	94.3	94.4	95.1	95.5	95.5	95.9	95.9	95.9	96.0	96.0	96.1	96.1
> 500	77.6	90.5	92.3	93.9	95.0	95.1	96.0	96.4	96.4	96.8	96.9	96.9	97.1	97.1	97.2	97.2
> 400	77.6	90.6	92.5	94.2	95.3	95.5	96.6	97.0	97.0	97.6	97.7	97.7	97.9	97.9	98.0	98.0
> 300	77.7	90.7	92.5	94.3	95.6	95.7	96.9	97.4	97.4	98.1	98.2	98.2	98.4	98.4	98.5	98.5
> 200	77.7	90.8	92.6	94.4	95.6	95.8	97.0	97.5	97.5	98.3	98.5	98.6	98.8	98.8	98.9	99.0
> 100	77.7	90.8	92.6	94.4	95.7	95.8	97.0	97.5	97.6	98.4	98.7	98.7	99.0	99.0	99.2	99.3
> 0	77.7	90.8	92.6	94.4	95.7	95.8	97.0	97.5	97.6	98.4	98.7	98.7	99.1	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

14132

1210W5 FORM 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	36.1	37.9	38.2	38.3	38.4	38.5	38.5	38.5	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.7
≥ 20000	52.1	55.1	55.4	55.7	55.9	55.9	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000	52.2	55.2	55.6	55.9	56.0	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.3
≥ 16000	52.3	55.3	55.7	56.0	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.4
≥ 14000	53.0	56.1	56.5	56.8	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.2
≥ 12000	54.2	57.5	57.9	58.2	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.6
≥ 10000	55.7	59.2	59.6	59.9	60.1	60.1	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.4
≥ 9000	56.4	60.0	60.4	60.7	60.9	60.9	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.2
≥ 8000	57.4	61.1	61.5	61.8	62.0	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3
≥ 7000	58.0	61.8	62.3	62.6	62.8	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 6000	58.9	62.9	63.4	63.7	64.0	64.0	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2
≥ 5000	60.5	64.8	65.4	65.8	66.1	66.1	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3
≥ 4500	61.4	65.8	66.4	66.7	67.0	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.3	67.3
≥ 4000	62.8	67.6	68.2	68.5	68.9	68.9	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1
≥ 3500	64.2	69.2	69.8	70.2	70.5	70.5	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8
≥ 3000	66.7	72.2	72.9	73.3	73.6	73.6	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9
≥ 2500	69.6	75.9	76.7	77.1	77.5	77.5	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.8	77.8
≥ 2000	73.0	80.2	81.1	81.5	82.0	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3
≥ 1800	74.4	81.9	82.8	83.3	83.7	83.7	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.1	84.1
≥ 1500	76.7	84.9	85.9	86.4	86.9	86.9	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.4
≥ 1200	78.9	88.4	89.6	90.2	90.7	90.7	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.2	91.2	91.2
≥ 1000	79.8	90.5	91.8	92.5	93.1	93.1	93.4	93.5	93.5	93.6	93.6	93.6	93.6	93.7	93.7	93.7
≥ 900	80.1	91.1	92.5	93.3	93.8	93.9	94.2	94.2	94.2	94.4	94.4	94.4	94.4	94.5	94.5	94.5
≥ 800	80.4	91.8	93.4	94.2	94.9	94.9	95.2	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.6	95.6
≥ 700	80.7	92.4	94.1	95.0	95.8	95.9	96.2	96.3	96.3	96.5	96.6	96.6	96.6	96.6	96.7	96.7
≥ 600	80.8	92.8	94.6	95.5	96.4	96.5	96.9	97.0	97.0	97.3	97.3	97.3	97.3	97.4	97.4	97.4
≥ 500	80.8	93.2	95.0	96.1	97.1	97.2	97.7	97.9	97.9	98.2	98.3	98.3	98.3	98.4	98.4	98.4
≥ 400	80.9	93.4	95.3	96.4	97.5	97.6	98.2	98.4	98.5	98.9	99.0	99.0	99.0	99.0	99.1	99.1
≥ 300	80.9	93.5	95.4	96.5	97.6	97.7	98.4	98.6	98.7	99.1	99.3	99.3	99.3	99.3	99.4	99.4
≥ 200	80.9	93.5	95.4	96.6	97.7	97.8	98.5	98.7	98.8	99.2	99.4	99.4	99.4	99.5	99.6	99.6
≥ 100	80.9	93.5	95.4	96.6	97.7	97.8	98.5	98.8	98.8	99.3	99.5	99.5	99.5	99.7	99.8	99.8
≥ 0	80.9	93.5	95.4	96.6	97.7	97.8	98.5	98.8	98.8	99.3	99.5	99.5	99.5	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 13680

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	38.8	40.5	40.7	40.9	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.1	41.1
IV 20000	57.0	59.9	60.2	60.4	60.5	60.5	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7
IV 18000	57.1	60.0	60.3	60.5	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8
IV 16000	57.1	60.0	60.3	60.5	60.6	60.6	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 14000	58.2	61.3	61.6	61.8	61.9	61.9	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 12000	59.7	62.9	63.2	63.5	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.8
IV 10000	61.3	64.9	65.3	65.6	65.7	65.7	65.8	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9
IV 9000	61.8	65.6	66.0	66.3	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.6	66.6
IV 8000	62.4	66.4	66.9	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5
IV 7000	63.2	67.4	67.8	68.1	68.2	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 6000	63.9	68.1	68.6	68.9	69.0	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 5000	65.3	69.9	70.4	70.7	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4500	66.0	70.7	71.2	71.5	71.7	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 4000	67.9	73.0	73.5	73.8	74.0	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3
IV 3500	69.3	74.7	75.3	75.6	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1
IV 3000	71.9	77.6	78.2	78.6	78.8	78.8	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 2500	74.4	80.8	81.4	81.8	82.1	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4
IV 2000	77.5	84.5	85.3	85.7	86.1	86.1	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.5	86.5	86.5
IV 1800	78.5	85.8	86.6	87.0	87.4	87.4	87.6	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8
IV 1500	80.8	88.6	89.4	89.9	90.4	90.4	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.8	90.8
IV 1200	82.5	91.4	92.4	92.9	93.4	93.4	93.6	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.9
IV 1000	83.7	93.0	94.2	94.9	95.4	95.4	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.9	95.9	95.9
IV 900	83.9	93.5	94.8	95.5	96.1	96.1	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.6	96.6
IV 800	84.2	94.1	95.4	96.3	96.9	96.9	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.5	97.5
IV 700	84.3	94.4	95.8	96.6	97.3	97.4	97.7	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.0
IV 600	84.3	94.6	96.0	97.0	97.7	97.7	98.1	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.5	98.5
IV 500	84.4	94.8	96.3	97.3	98.1	98.1	98.6	98.7	98.7	98.8	98.9	98.9	98.9	98.9	99.0	99.0
IV 400	84.4	94.9	96.5	97.5	98.4	98.4	98.9	99.0	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.4
IV 300	84.4	94.9	96.5	97.6	98.5	98.5	99.0	99.1	99.2	99.3	99.4	99.4	99.5	99.5	99.6	99.6
IV 200	84.4	94.9	96.5	97.6	98.5	98.6	99.1	99.2	99.2	99.4	99.5	99.5	99.7	99.7	99.7	99.8
IV 100	84.4	94.9	96.5	97.6	98.5	98.6	99.1	99.2	99.2	99.5	99.6	99.6	99.7	99.7	99.8	99.8
IV 0	84.4	94.9	96.5	97.6	98.5	98.6	99.1	99.2	99.2	99.5	99.6	99.6	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 14554

1210WS FORM 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.4	50.1	50.3	50.5	50.5	50.5	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	67.1	69.3	69.5	69.8	69.8	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 18000	67.1	69.3	69.5	69.8	69.8	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 16000	67.3	69.5	69.7	70.0	70.0	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 14000	68.3	70.7	70.9	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4
≥ 12000	70.9	73.4	73.6	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.1
≥ 10000	72.3	74.9	75.1	75.4	75.4	75.4	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 9000	72.6	75.3	75.5	75.8	75.8	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 8000	73.4	76.0	76.3	76.5	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 7000	73.8	76.5	76.7	77.0	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 6000	74.3	77.0	77.2	77.5	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 5000	75.4	78.3	78.5	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4500	76.2	79.2	79.4	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 4000	78.3	81.3	81.6	81.9	81.9	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 3500	79.9	83.1	83.3	83.7	83.7	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000	81.8	85.1	85.4	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 2500	83.8	87.4	87.7	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3
≥ 2000	85.7	89.5	89.9	90.2	90.3	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1800	86.6	90.5	90.9	91.3	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1500	88.4	92.6	93.1	93.6	93.7	93.7	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1200	89.9	94.4	95.0	95.5	95.6	95.6	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	91.0	95.7	96.4	96.8	97.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	91.4	96.2	96.9	97.4	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9
≥ 800	91.8	96.8	97.4	98.0	98.2	98.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	92.0	97.1	97.8	98.3	98.5	98.6	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	92.1	97.3	98.0	98.6	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3
≥ 500	92.2	97.5	98.3	98.9	99.2	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	92.2	97.6	98.4	99.0	99.3	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	92.2	97.6	98.4	99.1	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 200	92.2	97.6	98.5	99.1	99.5	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	92.2	97.7	98.5	99.1	99.5	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	92.2	97.7	98.5	99.1	99.5	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 14390

1210WS FORM 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.8	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 20000	76.4	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 18000	76.6	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 16000	76.9	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 14000	78.4	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 12000	81.2	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 10000	83.1	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 9000	83.3	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 8000	84.2	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 7000	84.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 6000	85.1	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 5000	86.4	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4500	87.0	89.4	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 4000	88.5	90.9	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3500	89.3	91.8	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 3000	90.4	93.0	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 2500	91.3	94.0	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2000	92.3	95.0	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	92.7	95.5	95.8	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1500	93.6	96.5	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1
≥ 1200	94.4	97.4	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1
≥ 1000	94.9	98.0	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	95.0	98.2	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	95.2	98.5	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	95.4	98.6	99.1	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	95.5	98.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	95.5	98.9	99.3	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 400	95.5	98.9	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	95.5	98.9	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0
≥ 200	95.5	98.9	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	95.5	98.9	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	95.5	98.9	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 14875

1210WS FORM JUL 64 0-14-5 (Def 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.8	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 20000	76.4	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 18000	76.6	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 16000	76.9	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 14000	78.4	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 12000	81.2	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 10000	83.1	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 9000	83.3	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 8000	84.2	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 7000	84.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 6000	85.1	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 5000	86.4	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 4500	87.0	89.4	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 4000	88.5	90.9	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 3500	89.3	91.8	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 3000	90.4	93.0	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 2500	91.3	94.0	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 2000	92.3	95.0	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1800	92.7	95.5	95.8	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1500	93.6	96.5	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1
IV 1200	94.4	97.4	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1
IV 1000	94.9	98.0	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 900	95.0	98.2	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	95.2	98.5	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	95.4	98.6	99.1	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	95.5	98.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	95.5	98.9	99.3	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	95.5	98.9	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	95.5	98.9	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	95.5	98.9	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	95.5	98.9	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	95.5	98.9	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 14875

1210W5 FORM JUL 64 0-14-5 (Def 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 5/16	≥ 1/4
NO CEILING	52.3	54.2	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 20000	68.7	71.5	71.7	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 18000	68.9	71.6	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.1
IV 16000	69.2	72.0	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 14000	70.6	73.4	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.9
IV 12000	73.3	76.3	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8
IV 10000	74.9	78.1	78.4	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 9000	75.5	78.7	79.0	79.1	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 8000	76.3	79.7	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 7000	76.8	80.3	80.6	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 6000	77.2	80.8	81.1	81.2	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 5000	78.2	81.9	82.3	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 4500	78.7	82.4	82.8	82.9	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 4000	79.9	83.8	84.1	84.3	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3500	80.8	84.8	85.2	85.3	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 3000	82.6	86.7	87.0	87.2	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 2500	83.9	88.1	88.5	88.7	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 2000	85.4	89.8	90.3	90.5	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1800	86.0	90.5	91.0	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1500	87.3	92.1	92.6	92.8	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1200	88.5	93.6	94.2	94.5	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8
IV 1000	89.4	94.9	95.5	95.9	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.3
IV 900	89.6	95.3	95.9	96.3	96.4	96.5	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 800	89.9	95.9	96.6	97.0	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5
IV 700	90.1	96.2	96.9	97.4	97.6	97.7	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600	90.3	96.6	97.3	97.9	98.2	98.2	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 500	90.4	96.9	97.7	98.3	98.7	98.7	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 400	90.4	97.0	97.8	98.5	98.8	98.9	99.2	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	90.4	97.0	97.8	98.5	98.9	99.0	99.3	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	90.4	97.0	97.9	98.5	99.0	99.0	99.3	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	90.4	97.0	97.9	98.5	99.0	99.0	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	100.0
IV 0	90.4	97.0	97.9	98.5	99.0	99.0	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 14386

1210WS FORM 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	50.1	52.5	53.0	53.2	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.6	53.6	53.6
≥ 20000	66.5	70.1	70.7	71.0	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.5	71.5
≥ 18000	66.6	70.3	70.9	71.2	71.3	71.4	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.7	71.7
≥ 16000	66.7	70.4	71.0	71.3	71.4	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8
≥ 14000	67.6	71.3	71.9	72.2	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.8
≥ 12000	69.6	73.4	74.1	74.4	74.5	74.6	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.9	74.9
≥ 10000	71.6	75.6	76.2	76.5	76.7	76.8	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.1
≥ 9000	72.2	76.3	76.9	77.2	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.8
≥ 8000	72.9	77.1	77.8	78.1	78.3	78.4	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.7
≥ 7000	73.6	77.9	78.6	78.9	79.1	79.2	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.5
≥ 6000	74.2	78.6	79.3	79.6	79.8	79.9	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.2	80.2
≥ 5000	75.0	79.8	80.5	80.8	81.0	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4
≥ 4500	75.4	80.2	80.9	81.3	81.5	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.9
≥ 4000	76.6	81.6	82.4	82.7	82.9	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3
≥ 3500	77.6	82.7	83.5	83.9	84.1	84.2	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.5	84.5
≥ 3000	79.0	84.3	85.1	85.5	85.7	85.8	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.2	86.2
≥ 2500	80.4	86.0	86.9	87.2	87.5	87.5	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.9	87.9	87.9
≥ 2000	82.1	87.9	88.8	89.3	89.5	89.6	89.8	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	90.0
≥ 1800	82.6	88.6	89.6	90.0	90.2	90.3	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.7	90.7
≥ 1500	83.7	89.9	90.9	91.4	91.6	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1
≥ 1200	85.1	91.7	92.8	93.3	93.6	93.7	93.9	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.2
≥ 1000	85.9	92.9	94.1	94.6	94.9	95.0	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.5	95.5
≥ 900	86.2	93.4	94.6	95.2	95.5	95.6	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.1	96.1
≥ 800	86.6	94.1	95.4	96.0	96.4	96.5	96.8	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0
≥ 700	86.7	94.5	96.0	96.7	97.0	97.1	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.7	97.7	97.7
≥ 600	86.8	94.8	96.3	97.1	97.6	97.7	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3
≥ 500	86.9	95.0	96.6	97.4	97.9	98.0	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.8
≥ 400	87.0	95.2	96.8	97.6	98.2	98.3	98.7	98.8	98.8	99.0	99.0	99.0	99.1	99.1	99.2	99.2
≥ 300	87.0	95.2	96.8	97.7	98.3	98.4	98.8	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.4	99.4
≥ 200	87.0	95.2	96.9	97.7	98.4	98.5	98.9	99.1	99.1	99.3	99.4	99.4	99.5	99.5	99.6	99.7
≥ 100	87.0	95.2	96.9	97.7	98.4	98.5	98.9	99.1	99.1	99.4	99.4	99.4	99.6	99.6	99.7	99.8
≥ 0	87.0	95.2	96.9	97.7	98.4	98.5	98.9	99.1	99.1	99.4	99.4	99.4	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 14875

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928

WACO TEXAS/JAMES CONNALLY AFB

43-45,49-64

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	40.2	41.8	42.0	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.4
≥ 20000	52.1	54.3	54.7	54.8	55.0	55.0	55.1	55.1	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.6
≥ 18000	52.1	54.4	54.8	54.9	55.1	55.1	55.1	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.6
≥ 16000	52.1	54.4	54.8	54.9	55.1	55.1	55.1	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.6
≥ 14000	53.0	55.2	55.6	55.7	55.9	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.5
≥ 12000	53.8	56.1	56.5	56.6	56.8	56.8	56.8	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.3
≥ 10000	55.4	57.7	58.2	58.3	58.5	58.5	58.5	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.7	59.0
≥ 9000	56.0	58.3	58.8	58.9	59.1	59.1	59.1	59.1	59.3	59.3	59.3	59.3	59.4	59.4	59.4	59.6
≥ 8000	56.8	59.1	59.6	59.7	59.9	59.9	59.9	59.9	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.4
≥ 7000	57.2	59.5	60.0	60.1	60.3	60.3	60.4	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.9
≥ 6000	58.3	60.7	61.1	61.2	61.4	61.4	61.5	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	62.0
≥ 5000	59.9	62.4	62.8	62.9	63.1	63.1	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.7
≥ 4500	60.4	63.0	63.5	63.7	63.9	63.9	64.0	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.5
≥ 4000	61.1	64.1	64.6	64.8	65.0	65.0	65.1	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.6
≥ 3500	62.1	65.5	66.0	66.3	66.4	66.4	66.6	66.6	66.7	66.7	66.7	66.7	66.8	66.8	66.8	67.1
≥ 3000	63.3	67.0	67.5	67.8	68.0	68.0	68.1	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.6
≥ 2500	65.0	68.8	69.5	69.8	69.9	69.9	70.1	70.1	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.6
≥ 2000	67.0	71.4	72.1	72.4	72.6	72.6	72.7	72.7	72.8	72.9	72.9	72.9	73.0	73.0	73.0	73.3
≥ 1800	68.2	72.9	73.9	74.3	74.5	74.5	74.6	74.6	74.7	74.8	74.8	74.8	74.9	74.9	74.9	75.2
≥ 1500	69.8	75.3	76.3	76.8	77.1	77.1	77.2	77.2	77.3	77.4	77.4	77.4	77.5	77.5	77.5	77.8
≥ 1200	71.8	78.5	79.6	80.2	80.5	80.5	80.6	80.6	80.8	80.8	80.9	80.9	80.9	80.9	80.9	81.2
≥ 1000	72.4	80.1	81.4	82.2	82.6	82.6	82.7	82.7	82.9	83.0	83.0	83.0	83.1	83.1	83.1	83.4
≥ 900	73.0	81.0	82.6	83.4	83.8	83.8	83.9	83.9	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.6
≥ 800	73.2	82.1	83.9	85.0	85.4	85.4	85.9	85.9	86.0	86.2	86.3	86.3	86.4	86.4	86.4	86.6
≥ 700	73.3	82.3	84.2	85.5	86.0	86.0	86.4	86.6	86.7	86.9	87.0	87.0	87.0	87.0	87.0	87.3
≥ 600	73.4	83.0	85.5	87.0	87.5	87.6	88.2	88.3	88.5	88.7	88.9	88.9	88.9	88.9	88.9	89.2
≥ 500	73.7	84.1	87.2	88.8	89.9	90.0	90.5	90.7	90.8	91.2	91.3	91.3	91.4	91.4	91.4	91.7
≥ 400	73.7	84.5	87.6	89.5	90.9	91.0	91.8	92.0	92.1	92.5	92.6	92.6	92.7	92.7	92.7	93.0
≥ 300	73.7	84.7	88.0	89.9	91.6	91.7	92.6	92.9	93.0	93.8	93.9	93.9	94.0	94.0	94.0	94.3
≥ 200	73.7	84.8	88.2	90.2	92.1	92.2	93.3	93.7	93.9	94.9	95.4	95.4	95.6	95.6	95.6	96.0
≥ 100	73.7	84.8	88.2	90.3	92.3	92.4	93.5	93.9	94.1	95.6	96.2	96.2	96.9	96.9	97.6	98.1
≥ 0	73.7	84.8	88.2	90.3	92.3	92.4	93.5	93.9	94.1	95.8	96.4	96.4	97.2	97.2	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1767

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 48-64
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.4	43.4	43.7	43.8	44.0	44.0	44.1	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.3	44.3
≥ 20000	55.5	58.6	59.1	59.3	59.5	59.5	59.7	59.7	59.7	59.8	59.9	59.9	59.9	59.9	60.0	60.0
≥ 18000	55.6	58.7	59.2	59.4	59.6	59.7	59.8	59.8	59.8	59.9	60.0	60.0	60.0	60.0	60.1	60.1
≥ 16000	55.7	58.8	59.2	59.5	59.7	59.7	59.9	59.9	59.9	60.0	60.0	60.0	60.1	60.1	60.1	60.2
≥ 14000	56.7	59.8	60.3	60.5	60.8	60.8	60.9	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.2	61.2
≥ 12000	58.0	61.3	61.7	62.0	62.2	62.2	62.4	62.4	62.4	62.5	62.6	62.6	62.6	62.6	62.7	62.7
≥ 10000	59.4	62.9	63.4	63.7	63.9	63.9	64.1	64.1	64.1	64.2	64.3	64.3	64.3	64.3	64.4	64.4
≥ 9000	59.9	63.4	63.9	64.2	64.5	64.5	64.6	64.6	64.7	64.8	64.8	64.8	64.9	64.9	64.9	65.0
≥ 8000	60.6	64.2	64.7	65.0	65.3	65.3	65.5	65.5	65.5	65.6	65.7	65.7	65.7	65.7	65.8	65.8
≥ 7000	61.2	64.9	65.5	65.7	66.0	66.0	66.2	66.2	66.2	66.3	66.4	66.4	66.4	66.4	66.5	66.5
≥ 6000	62.0	65.9	66.4	66.7	67.0	67.0	67.2	67.2	67.2	67.3	67.4	67.4	67.4	67.4	67.5	67.5
≥ 5000	63.0	67.1	67.7	68.0	68.2	68.3	68.4	68.4	68.4	68.6	68.6	68.6	68.7	68.7	68.7	68.8
≥ 4500	63.7	67.8	68.3	68.6	68.9	68.9	69.1	69.1	69.1	69.2	69.3	69.3	69.3	69.4	69.4	69.4
≥ 4000	64.8	69.2	69.8	70.1	70.5	70.5	70.7	70.7	70.7	70.8	70.9	70.9	70.9	70.9	71.0	71.0
≥ 3500	65.9	70.5	71.1	71.4	71.7	71.7	71.9	71.9	72.0	72.1	72.1	72.2	72.2	72.2	72.3	72.3
≥ 3000	67.2	72.1	72.8	73.1	73.5	73.5	73.7	73.7	73.7	73.8	73.9	73.9	73.9	74.0	74.0	74.0
≥ 2500	69.1	74.5	75.1	75.5	75.9	75.9	76.1	76.1	76.1	76.3	76.3	76.3	76.4	76.4	76.5	76.5
≥ 2000	71.0	77.0	77.7	78.2	78.5	78.6	78.8	78.9	78.9	79.0	79.1	79.1	79.1	79.1	79.2	79.2
≥ 1800	71.5	78.0	78.7	79.2	79.5	79.5	79.8	79.9	79.9	80.0	80.1	80.1	80.1	80.1	80.2	80.2
≥ 1500	72.8	79.8	80.6	81.2	81.6	81.6	81.9	81.9	81.9	82.1	82.1	82.1	82.2	82.2	82.3	82.3
≥ 1200	74.6	82.4	83.4	84.1	84.6	84.6	84.9	85.0	85.0	85.1	85.2	85.2	85.3	85.3	85.3	85.4
≥ 1000	75.3	83.9	85.1	85.8	86.4	86.4	86.8	86.8	86.9	87.1	87.1	87.1	87.2	87.2	87.3	87.3
≥ 900	75.6	84.6	85.8	86.6	87.3	87.3	87.7	87.8	87.9	88.0	88.0	88.1	88.1	88.2	88.2	88.2
≥ 800	75.9	85.5	86.9	87.9	88.7	88.8	89.3	89.4	89.4	89.6	89.7	89.7	89.8	89.8	89.9	89.9
≥ 700	76.2	86.3	87.9	89.0	90.0	90.1	90.6	90.7	90.8	91.0	91.1	91.1	91.3	91.3	91.3	91.4
≥ 600	76.4	87.1	88.8	90.1	91.3	91.4	92.1	92.2	92.3	92.6	92.8	92.8	92.9	92.9	93.0	93.0
≥ 500	76.5	87.6	89.4	90.9	92.1	92.4	93.3	93.5	93.6	94.0	94.2	94.2	94.4	94.4	94.5	94.5
≥ 400	76.6	87.9	89.7	91.3	92.7	93.0	94.3	94.7	94.7	95.4	95.7	95.7	95.9	95.9	95.9	96.0
≥ 300	76.6	88.0	89.8	91.5	93.1	93.3	94.8	95.4	95.5	96.4	96.7	96.7	96.9	97.0	97.0	97.1
≥ 200	76.6	88.0	89.9	91.6	93.3	93.5	95.2	95.9	96.0	97.1	97.5	97.5	97.8	97.8	98.0	98.1
≥ 100	76.6	88.0	89.9	91.6	93.3	93.6	95.3	96.0	96.1	97.2	97.7	97.7	98.2	98.2	98.7	98.9
≥ 0	76.6	88.0	89.9	91.6	93.3	93.6	95.3	96.0	96.1	97.2	97.7	97.7	98.2	98.3	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 14659

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.2	41.8	42.0	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.4
≥ 20000	52.1	54.3	54.7	54.8	55.0	55.0	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.3	55.3	55.6
≥ 18000	52.1	54.4	54.8	54.9	55.1	55.1	55.1	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.6
≥ 16000	52.1	54.4	54.8	54.9	55.1	55.1	55.1	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.6
≥ 14000	53.0	55.2	55.6	55.7	55.9	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.5
≥ 12000	53.8	56.1	56.5	56.6	56.8	56.8	56.8	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.3
≥ 10000	55.4	57.7	58.2	58.3	58.5	58.5	58.5	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.7	59.0
≥ 9000	56.0	58.3	58.8	58.9	59.1	59.1	59.1	59.1	59.3	59.3	59.3	59.3	59.4	59.4	59.4	59.6
≥ 8000	56.8	59.1	59.6	59.7	59.9	59.9	59.9	59.9	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.4
≥ 7000	57.2	59.5	60.0	60.1	60.3	60.3	60.4	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.9
≥ 6000	58.3	60.7	61.1	61.2	61.4	61.4	61.5	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	62.0
≥ 5000	59.3	62.4	62.8	62.9	63.1	63.1	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.7
≥ 4500	60.4	63.0	63.5	63.7	63.9	63.9	64.0	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.5
≥ 4000	61.1	64.1	64.6	64.8	65.0	65.0	65.1	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.6
≥ 3500	62.1	65.5	66.0	66.3	66.4	66.4	66.6	66.6	66.7	66.7	66.7	66.7	66.8	66.8	66.8	67.1
≥ 3000	63.3	67.0	67.5	67.8	68.0	68.0	68.1	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.6
≥ 2500	65.0	68.8	69.5	69.8	69.9	69.9	70.1	70.1	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.6
≥ 2000	67.0	71.4	72.1	72.4	72.6	72.6	72.7	72.7	72.8	72.9	72.9	72.9	73.0	73.0	73.0	73.3
≥ 1800	68.2	72.9	73.9	74.3	74.5	74.5	74.6	74.6	74.7	74.8	74.8	74.8	74.9	74.9	74.9	75.2
≥ 1500	69.8	75.3	76.3	76.8	77.1	77.1	77.2	77.2	77.3	77.4	77.4	77.4	77.5	77.5	77.5	77.8
≥ 1200	71.8	78.5	79.6	80.2	80.5	80.5	80.6	80.6	80.8	80.8	80.9	80.9	80.9	80.9	80.9	81.2
≥ 1000	72.4	80.1	81.4	82.2	82.6	82.6	82.7	82.7	82.9	83.0	83.0	83.0	83.1	83.1	83.1	83.4
≥ 900	73.0	81.0	82.6	83.4	83.8	83.8	83.9	83.9	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.6
≥ 800	73.2	82.1	83.9	85.0	85.4	85.4	85.9	85.9	86.0	86.2	86.3	86.3	86.4	86.4	86.4	86.6
≥ 700	73.3	82.3	84.2	85.5	86.0	86.0	86.4	86.6	86.7	86.9	87.0	87.0	87.0	87.0	87.0	87.3
≥ 600	73.4	83.0	85.5	87.0	87.5	87.6	88.2	88.3	88.5	88.7	88.9	88.9	88.9	88.9	88.9	89.2
≥ 500	73.7	84.1	87.2	88.8	89.9	90.0	90.5	90.7	90.8	91.2	91.3	91.3	91.4	91.4	91.4	91.7
≥ 400	73.7	84.5	87.6	89.5	90.9	91.0	91.8	92.0	92.1	92.5	92.6	92.6	92.7	92.7	92.7	93.0
≥ 300	73.7	84.7	88.0	89.9	91.6	91.7	92.6	92.9	93.0	93.8	93.9	93.9	94.0	94.0	94.0	94.3
≥ 200	73.7	84.8	88.2	90.2	92.1	92.2	93.3	93.7	93.9	94.9	95.4	95.4	95.6	95.6	95.6	96.0
≥ 100	73.7	84.8	88.2	90.3	92.3	92.4	93.5	93.9	94.1	95.6	96.2	96.2	96.9	96.9	97.6	98.1
≥ 0	73.7	84.8	88.2	90.3	92.3	92.4	93.5	93.9	94.1	95.8	96.4	96.4	97.2	97.2	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1767

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13926
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

1964
MONTH

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 5/16	≥ 1/4
NO CEILING	37.0	38.5	38.8	38.9	39.1	39.1	39.2	39.2	39.2	39.3	39.4	39.4	39.4	39.4	39.4	39.5
20000	47.9	50.2	50.6	50.9	51.1	51.2	51.3	51.3	51.3	51.3	51.4	51.4	51.5	51.5	51.6	51.8
18000	47.9	50.2	50.6	50.9	51.1	51.2	51.3	51.3	51.3	51.3	51.4	51.4	51.5	51.5	51.6	51.8
16000	47.9	50.2	50.6	50.9	51.1	51.2	51.3	51.3	51.3	51.3	51.4	51.4	51.5	51.5	51.6	51.8
14000	48.8	51.1	51.5	51.8	52.0	52.1	52.2	52.2	52.2	52.3	52.3	52.4	52.4	52.5	52.7	
12000	49.9	52.2	52.6	52.9	53.1	53.1	53.3	53.3	53.3	53.3	53.4	53.4	53.5	53.5	53.8	
10000	51.4	53.8	54.2	54.5	54.7	54.8	54.9	54.9	54.9	55.0	55.1	55.1	55.1	55.1	55.2	55.5
9000	52.3	54.7	55.1	55.4	55.6	55.7	55.8	55.8	55.8	55.9	56.0	56.0	56.0	56.0	56.1	56.4
8000	53.0	55.4	55.8	56.1	56.3	56.4	56.5	56.5	56.5	56.5	56.6	56.6	56.7	56.7	56.8	57.0
7000	53.6	56.0	56.4	56.6	56.9	56.9	57.0	57.0	57.0	57.1	57.2	57.2	57.3	57.3	57.3	57.6
6000	54.6	57.0	57.4	57.7	57.9	58.0	58.1	58.1	58.1	58.1	58.2	58.2	58.3	58.3	58.3	58.6
5000	55.5	58.1	58.5	58.8	59.0	59.1	59.2	59.2	59.2	59.3	59.4	59.4	59.4	59.4	59.5	59.8
4500	55.8	58.4	58.9	59.3	59.5	59.5	59.6	59.6	59.6	59.7	59.8	59.8	59.9	59.9	59.9	60.2
4000	57.0	59.8	60.3	60.7	60.9	61.0	61.1	61.1	61.1	61.2	61.2	61.3	61.3	61.3	61.3	61.6
3500	57.8	60.6	61.1	61.5	61.7	61.7	61.9	61.9	61.9	61.9	62.0	62.0	62.1	62.1	62.1	62.4
3000	58.3	61.5	62.0	62.4	62.6	62.6	62.8	62.8	62.8	62.8	62.9	62.9	63.0	63.0	63.0	63.3
2500	59.9	63.4	64.1	64.5	64.7	64.8	64.9	64.9	64.9	65.0	65.1	65.1	65.1	65.1	65.2	65.5
2000	62.3	66.6	67.3	67.7	68.0	68.0	68.1	68.1	68.1	68.2	68.3	68.3	68.4	68.4	68.4	68.7
1800	63.7	68.3	69.2	69.6	69.8	69.9	70.0	70.0	70.0	70.1	70.2	70.2	70.2	70.2	70.3	70.6
1500	65.4	70.9	71.9	72.4	72.6	72.7	72.8	72.8	72.8	72.8	72.9	72.9	73.0	73.0	73.1	73.3
1200	66.9	73.9	75.1	75.6	76.1	76.1	76.3	76.3	76.3	76.3	76.5	76.5	76.5	76.5	76.6	76.9
1000	67.8	75.9	77.4	78.0	78.4	78.5	78.7	78.7	78.7	78.8	78.9	78.9	79.0	79.0	79.1	79.4
900	68.2	76.8	78.4	79.0	79.5	79.5	79.7	79.7	79.7	79.9	80.0	80.0	80.0	80.0	80.1	80.4
800	68.9	78.4	80.1	81.3	81.7	81.8	82.1	82.1	82.1	82.2	82.3	82.3	82.3	82.3	82.5	82.7
700	69.1	79.1	81.0	82.2	82.7	82.9	83.2	83.2	83.2	83.3	83.4	83.4	83.5	83.5	83.6	83.9
600	69.7	80.4	82.8	84.4	85.1	85.2	85.6	85.6	85.6	85.7	85.9	85.9	85.9	85.9	86.0	86.3
500	69.9	81.0	83.4	85.3	86.5	86.6	87.3	87.3	87.3	87.8	87.9	87.9	88.0	88.0	88.1	88.4
400	69.9	81.4	84.0	85.9	87.7	87.8	88.7	88.7	88.7	89.4	89.5	89.5	89.6	89.6	89.8	90.0
300	70.0	81.9	84.4	86.5	88.3	88.5	89.7	89.9	89.9	91.1	91.3	91.3	91.7	91.7	91.9	92.1
200	70.0	81.9	84.4	86.6	88.7	88.9	90.5	90.7	90.8	92.4	92.8	92.8	93.7	93.7	94.0	94.3
100	70.0	81.9	84.4	86.6	89.0	89.1	90.9	91.1	91.2	93.0	93.6	93.6	94.9	95.0	96.1	96.7
0	70.0	81.9	84.4	86.6	89.0	89.1	90.9	91.2	91.2	93.0	93.7	93.7	95.2	95.3	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1767

1210WS FORM 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	32.9	34.6	34.8	34.9	35.1	35.1	35.1	35.1	35.1	35.2	35.4	35.4	35.4	35.4	35.4	35.8	
≥ 20000	41.7	45.4	45.9	46.2	46.4	46.4	46.5	46.5	46.5	46.6	46.8	46.8	46.9	46.9	47.1	47.5	
≥ 18000	41.7	45.4	45.9	46.2	46.4	46.4	46.5	46.5	46.5	46.6	46.8	46.8	46.9	46.9	47.1	47.5	
≥ 16000	41.9	45.6	46.1	46.4	46.6	46.6	46.7	46.7	46.7	46.8	47.0	47.0	47.1	47.1	47.4	47.8	
≥ 14000	43.8	47.7	48.2	48.4	48.7	48.7	48.7	48.8	48.8	48.8	49.1	49.1	49.2	49.2	49.4	49.8	
≥ 12000	45.4	49.3	49.9	50.2	50.4	50.4	50.5	50.5	50.5	50.6	50.8	50.8	50.9	50.9	51.2	51.6	
≥ 10000	46.7	50.7	51.3	51.6	51.8	51.8	51.8	51.9	51.9	52.0	52.2	52.2	52.3	52.3	52.5	53.0	
≥ 9000	47.2	51.2	51.8	52.1	52.3	52.3	52.3	52.4	52.4	52.5	52.7	52.7	52.8	52.8	53.0	53.5	
≥ 8000	48.0	52.1	52.6	53.0	53.2	53.2	53.3	53.3	53.3	53.4	53.6	53.6	53.7	53.7	53.9	54.4	
≥ 7000	48.8	52.9	53.4	53.8	54.0	54.0	54.0	54.1	54.1	54.2	54.4	54.4	54.5	54.5	54.7	55.2	
≥ 6000	49.2	53.4	53.9	54.3	54.5	54.5	54.6	54.6	54.6	54.7	54.9	54.9	55.0	55.0	55.2	55.7	
≥ 5000	50.0	54.4	55.0	55.3	55.5	55.5	55.6	55.6	55.6	55.7	55.9	55.9	56.0	56.0	56.3	56.7	
≥ 4500	50.9	55.3	56.0	56.3	56.5	56.5	56.6	56.6	56.6	56.7	56.9	56.9	57.0	57.0	57.3	57.7	
≥ 4000	51.6	56.1	56.8	57.2	57.4	57.4	57.5	57.6	57.6	57.6	57.8	57.8	58.0	58.0	58.2	58.6	
≥ 3500	52.3	56.8	57.6	58.0	58.2	58.2	58.2	58.3	58.3	58.3	58.6	58.6	58.7	58.7	58.9	59.4	
≥ 3000	53.0	57.7	58.4	58.8	59.0	59.0	59.1	59.1	59.1	59.2	59.4	59.4	59.5	59.5	59.8	60.2	
≥ 2500	55.3	60.2	61.1	61.5	61.7	61.7	61.9	61.9	61.9	62.0	62.2	62.2	62.4	62.4	62.6	63.0	
≥ 2000	57.3	63.0	64.0	64.4	64.7	64.7	64.8	64.9	64.9	64.9	65.1	65.1	65.3	65.3	65.5	66.0	
≥ 1800	58.2	64.4	65.5	65.9	66.2	66.2	66.3	66.4	66.4	66.4	66.7	66.7	66.8	66.8	67.1	67.5	
≥ 1500	59.8	67.2	68.5	69.0	69.4	69.4	69.6	69.7	69.7	69.7	69.9	69.9	70.1	70.1	70.3	70.8	
≥ 1200	61.6	70.4	72.2	72.8	73.7	73.9	74.1	74.2	74.2	74.3	74.5	74.5	74.7	74.7	74.9	75.4	
≥ 1000	62.8	72.7	74.6	75.3	76.3	76.5	76.7	76.8	76.8	76.9	77.2	77.2	77.4	77.4	77.6	78.1	
≥ 900	63.3	73.8	75.8	76.7	77.6	77.9	78.2	78.2	78.2	78.3	78.6	78.7	78.8	78.8	79.1	79.5	
≥ 800	63.4	74.4	76.7	77.8	78.7	78.9	79.2	79.3	79.3	79.4	79.7	79.7	79.9	79.9	80.1	80.6	
≥ 700	63.8	75.7	78.3	79.5	80.6	80.9	81.4	81.4	81.4	81.6	81.8	81.9	82.1	82.1	82.3	82.7	
≥ 600	64.0	76.8	79.7	81.0	82.3	82.6	83.2	83.3	83.3	83.5	83.8	83.9	84.1	84.1	84.3	84.8	
≥ 500	64.0	77.4	80.6	82.2	84.0	84.3	85.1	85.2	85.2	85.6	85.9	86.0	86.3	86.3	86.6	87.0	
≥ 400	64.1	77.9	81.5	83.2	85.2	85.6	86.8	87.2	87.2	87.6	88.1	88.1	88.7	88.7	89.0	89.5	
≥ 300	64.1	78.0	81.8	83.7	86.2	86.6	88.1	88.6	88.6	89.6	90.2	90.2	91.2	91.2	91.6	92.2	
≥ 200	64.1	78.2	81.9	83.8	86.4	86.8	88.7	89.4	89.4	90.7	91.6	91.7	93.3	93.3	93.8	94.5	
≥ 100	64.1	78.2	81.9	83.8	86.5	86.9	88.8	89.5	89.5	90.9	92.1	92.1	94.2	94.2	95.2	96.5	
≥ 0	64.1	78.2	81.9	83.8	86.5	86.9	88.8	89.5	89.5	90.9	92.1	92.2	94.4	94.4	95.9	100.0	

TOTAL NUMBER OF OBSERVATIONS

1767

1210W5 FORM 0-14-5 (Oct 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	29.7	31.3	31.4	31.6	31.6	31.6	31.6	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 20000	41.5	44.7	45.0	45.3	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.6	45.6	45.6	45.7
≥ 18000	41.7	44.9	45.1	45.5	45.5	45.5	45.5	45.6	45.6	45.7	45.7	45.7	45.8	45.8	45.8	45.9
≥ 16000	42.2	45.5	45.7	46.0	46.1	46.1	46.1	46.1	46.1	46.3	46.3	46.3	46.3	46.3	46.4	46.4
≥ 14000	44.2	47.7	48.0	48.3	48.4	48.4	48.4	48.4	48.4	48.5	48.5	48.5	48.6	48.6	48.6	48.7
≥ 12000	46.1	49.9	50.1	50.5	50.5	50.5	50.5	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.8	50.8
≥ 10000	47.8	51.8	52.0	52.4	52.4	52.4	52.4	52.5	52.5	52.6	52.6	52.6	52.7	52.7	52.7	52.8
≥ 9000	48.3	52.4	52.7	53.1	53.2	53.2	53.2	53.2	53.2	53.3	53.3	53.3	53.4	53.4	53.5	53.5
≥ 8000	49.1	53.2	53.5	54.0	54.0	54.0	54.0	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.3	54.4
≥ 7000	49.5	53.9	54.1	54.6	54.6	54.6	54.6	54.7	54.7	54.8	54.8	54.8	54.9	54.9	54.9	55.0
≥ 6000	50.5	54.9	55.2	55.7	55.7	55.7	55.7	55.8	55.8	55.9	55.9	55.9	55.9	55.9	56.0	56.1
≥ 5000	51.1	55.7	56.1	56.6	56.7	56.7	56.7	56.7	56.7	56.9	56.9	56.9	56.9	56.9	57.0	57.0
≥ 4500	51.8	56.4	56.7	57.2	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.6	57.6	57.6	57.7
≥ 4000	52.4	57.2	57.5	58.0	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.5
≥ 3500	53.6	58.6	59.1	59.6	59.7	59.7	59.7	59.7	59.7	59.9	59.9	59.9	59.9	59.9	60.0	60.0
≥ 3000	54.5	59.9	60.4	60.9	61.0	61.0	61.0	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.3	61.3
≥ 2500	56.6	62.3	62.7	63.3	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.6	63.6	63.6	63.7
≥ 2000	58.8	65.5	66.0	66.6	66.8	66.8	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.1	67.2
≥ 1800	59.6	66.6	67.2	67.8	68.1	68.1	68.1	68.2	68.2	68.4	68.4	68.4	68.5	68.5	68.5	68.6
≥ 1500	61.7	69.6	70.4	71.1	71.5	71.6	71.7	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.2	72.3
≥ 1200	63.3	72.5	73.6	74.4	75.0	75.1	75.4	75.5	75.5	75.8	75.8	75.8	75.9	75.9	75.9	76.0
≥ 1000	64.5	74.9	76.0	77.1	77.8	77.9	78.3	78.4	78.4	78.8	78.8	78.8	78.9	78.9	78.9	79.0
≥ 900	64.8	76.1	77.3	78.5	79.3	79.5	80.0	80.1	80.1	80.5	80.5	80.5	80.6	80.6	80.7	80.7
≥ 800	65.2	77.4	79.0	80.5	81.7	82.0	82.4	82.7	82.7	83.1	83.1	83.1	83.2	83.2	83.3	83.4
≥ 700	65.3	78.4	80.0	81.7	83.3	83.6	84.4	84.8	84.8	85.2	85.2	85.2	85.3	85.3	85.4	85.4
≥ 600	65.5	79.1	80.9	82.9	84.8	85.2	86.2	86.7	86.7	87.3	87.5	87.5	87.6	87.6	87.7	87.7
≥ 500	65.6	79.7	81.9	84.5	86.8	87.3	88.8	89.4	89.5	90.7	90.8	90.8	90.9	90.9	91.0	91.1
≥ 400	65.6	80.1	82.4	85.2	87.7	88.2	90.0	90.8	90.8	92.7	93.0	93.0	93.3	93.3	93.5	93.7
≥ 300	65.6	80.1	82.5	85.4	88.2	88.7	91.1	92.0	92.1	94.4	94.9	94.9	95.5	95.5	96.0	96.1
≥ 200	65.6	80.1	82.6	85.5	88.3	88.8	91.2	92.3	92.4	94.8	95.6	95.6	96.4	96.4	97.1	97.3
≥ 100	65.6	80.1	82.6	85.5	88.3	88.8	91.2	92.3	92.4	94.8	95.7	95.7	96.8	96.8	97.9	98.6
≥ 0	65.6	80.1	82.6	85.5	88.3	88.8	91.2	92.3	92.4	94.8	95.8	95.8	96.8	96.9	98.2	100.2

TOTAL NUMBER OF OBSERVATIONS 1766

1210WS FORM 0-14-5 (Det 50) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.5	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 20000	49.9	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 18000	50.4	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 16000	50.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 14000	52.1	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 12000	54.6	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 10000	55.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 9000	56.0	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 8000	56.9	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 7000	57.6	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 6000	58.6	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 5000	59.3	62.4	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 4500	59.8	63.0	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 4000	60.6	63.9	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 3500	62.3	65.8	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 3000	64.3	68.0	68.3	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 2500	66.9	71.2	71.5	71.5	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 2000	69.4	74.1	74.6	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 1800	70.3	75.5	75.9	76.0	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 1500	72.3	78.6	79.3	79.5	79.8	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1200	74.1	81.4	82.3	82.6	83.0	83.1	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1000	75.0	83.4	84.8	85.3	85.7	85.8	86.0	86.2	86.2	86.3	86.3	86.3	86.4	86.4	86.4	86.4
≥ 900	75.2	84.0	85.4	86.0	86.5	86.6	86.8	87.0	87.0	87.1	87.1	87.1	87.2	87.2	87.2	87.2
≥ 800	75.3	85.1	86.7	87.4	88.1	88.1	88.5	88.7	88.7	88.8	88.8	88.8	88.9	88.9	88.9	88.9
≥ 700	75.6	85.8	87.7	88.6	89.4	89.5	90.0	90.3	90.3	90.5	90.6	90.6	90.8	90.8	90.8	90.8
≥ 600	75.6	86.5	88.5	89.7	90.8	91.1	91.9	92.2	92.2	92.7	92.8	92.8	93.0	93.0	93.0	93.0
≥ 500	75.7	86.9	89.0	90.5	92.0	92.3	93.7	94.3	94.3	95.3	95.4	95.4	95.7	95.7	95.7	95.7
≥ 400	75.7	87.0	89.2	90.8	92.2	92.6	94.3	95.2	95.2	96.7	96.9	96.9	97.2	97.2	97.2	97.2
≥ 300	75.7	87.1	89.4	91.0	92.6	93.0	94.7	95.7	95.8	97.6	98.0	98.0	98.5	98.5	98.5	98.5
≥ 200	75.7	87.1	89.4	91.0	92.6	93.0	94.9	95.9	95.9	98.0	98.4	98.4	99.1	99.1	99.1	99.1
≥ 100	75.7	87.1	89.4	91.0	92.6	93.0	94.9	95.9	95.9	98.0	98.5	98.5	99.3	99.4	99.5	99.5
≥ 0	75.7	87.1	89.4	91.0	92.6	93.0	94.9	95.9	95.9	98.0	98.5	98.5	99.3	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

1767

1210WS

FORM
JUL 64

0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	36.3	37.6	37.6	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 20000	56.2	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 18000	56.5	58.2	58.2	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 16000	56.9	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 14000	58.9	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 12000	60.8	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 10000	62.1	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 9000	62.5	64.4	64.4	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 8000	63.1	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 7000	63.9	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 6000	64.8	67.3	67.3	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 5000	65.9	68.5	68.5	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 4500	66.3	68.9	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4000	67.5	70.1	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3500	68.5	71.4	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 3000	70.5	73.7	73.9	74.0	74.1	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 2500	73.6	77.4	77.6	77.7	77.8	77.9	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2000	75.9	80.2	80.5	80.8	80.9	81.0	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800	76.7	81.1	81.5	81.7	81.8	81.9	82.0	82.0	82.0	82.2	82.2	82.2	82.3	82.3	82.3	82.3
≥ 1500	77.4	82.7	83.0	83.3	83.4	83.5	83.6	83.7	83.7	83.8	83.8	83.8	83.9	83.9	83.9	83.9
≥ 1200	79.0	85.5	86.1	86.6	86.9	87.0	87.1	87.3	87.3	87.4	87.4	87.4	87.5	87.5	87.5	87.5
≥ 1000	79.4	86.6	87.3	87.8	88.2	88.3	88.5	88.7	88.7	89.0	89.0	89.0	89.1	89.1	89.1	89.1
≥ 900	79.7	87.2	88.0	88.5	89.0	89.1	89.4	89.6	89.6	89.9	90.0	90.0	90.0	90.0	90.0	90.0
≥ 800	79.9	87.8	88.7	89.4	89.9	90.0	90.4	90.6	90.6	91.0	91.0	91.0	91.1	91.1	91.1	91.1
≥ 700	80.1	88.3	89.3	90.2	91.0	91.1	91.6	92.0	92.0	92.4	92.4	92.4	92.5	92.5	92.5	92.5
≥ 600	80.1	88.8	89.9	91.1	92.0	92.3	92.8	93.2	93.2	93.7	93.7	93.7	93.9	93.9	93.9	93.9
≥ 500	80.1	89.0	90.2	91.5	92.7	92.9	94.2	94.7	94.7	95.5	95.6	95.6	95.7	95.7	95.7	95.7
≥ 400	80.1	89.0	90.4	92.1	93.3	93.5	95.2	95.7	95.7	96.8	96.8	96.8	97.1	97.1	97.2	97.2
≥ 300	80.1	89.1	90.5	92.2	93.4	93.6	95.4	96.1	96.1	97.6	97.9	97.9	98.5	98.5	98.7	98.7
≥ 200	80.1	89.1	90.5	92.2	93.4	93.6	95.4	96.1	96.1	97.8	98.5	98.5	99.1	99.1	99.5	99.5
≥ 100	80.1	89.1	90.5	92.2	93.4	93.6	95.4	96.1	96.1	97.8	98.6	98.6	99.2	99.2	99.6	99.9
≥ 0	80.1	89.1	90.5	92.2	93.4	93.6	95.4	96.1	96.1	97.9	98.6	98.6	99.3	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1758

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.3	41.3	41.4	41.5	41.5	41.5	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 20000	58.8	60.6	60.8	60.9	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 18000	58.9	60.7	60.9	61.0	61.0	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 16000	59.3	61.1	61.3	61.4	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 14000	60.7	62.6	62.8	62.9	62.9	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 12000	63.0	65.2	65.5	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 10000	64.5	66.7	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 9000	65.0	67.2	67.5	67.6	67.6	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 8000	65.5	67.8	68.0	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 7000	66.0	68.3	68.6	68.7	68.7	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 6000	66.8	69.3	69.5	69.6	69.6	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 5000	67.6	70.4	70.7	70.9	70.9	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 4500	68.2	70.9	71.3	71.4	71.4	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4000	69.8	73.1	73.6	73.7	73.7	73.7	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 3500	70.6	74.1	74.6	74.7	74.7	74.7	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 3000	71.7	75.6	76.1	76.3	76.3	76.3	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 2500	73.2	78.1	78.6	78.9	78.9	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.3	79.3	79.3
≥ 2000	74.9	80.9	81.5	81.7	81.8	81.9	82.1	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1800	75.7	81.7	82.4	82.6	82.8	82.9	83.2	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1500	76.3	82.9	83.7	84.0	84.2	84.3	84.6	84.7	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9
≥ 1200	77.0	85.9	85.9	86.1	86.5	86.5	87.0	87.1	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3
≥ 1000	77.6	85.9	87.2	87.6	88.0	88.0	88.7	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900	77.8	86.3	87.8	88.3	88.7	88.8	89.8	89.9	90.0	90.1	90.1	90.1	90.2	90.2	90.2	90.2
≥ 800	77.9	86.8	88.4	89.1	89.5	89.6	90.7	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 700	78.4	87.9	89.6	90.3	90.8	90.9	92.3	92.5	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.8
≥ 600	78.6	88.3	90.1	91.0	91.7	91.8	93.5	93.7	93.8	94.1	94.1	94.1	94.2	94.2	94.2	94.2
≥ 500	78.6	88.5	90.3	91.3	92.4	92.5	94.4	94.7	94.8	95.2	95.2	95.2	95.3	95.3	95.3	95.3
≥ 400	78.6	88.8	90.7	91.8	93.2	93.2	95.3	95.7	95.7	96.6	96.6	96.6	96.7	96.7	96.7	96.7
≥ 300	78.6	88.9	90.8	92.0	93.3	93.4	95.7	96.1	96.1	97.3	97.4	97.4	97.6	97.6	97.7	97.7
≥ 200	78.6	88.9	90.8	92.0	93.3	93.4	95.9	96.3	96.4	97.9	97.9	97.9	98.3	98.3	98.6	98.7
≥ 100	78.6	88.9	90.8	92.0	93.3	93.4	96.0	96.4	96.4	98.0	98.2	98.2	98.9	98.9	99.1	99.4
≥ 0	78.6	88.9	90.8	92.0	93.3	93.4	96.0	96.4	96.4	98.0	98.2	98.2	98.9	98.9	99.31	100.0

TOTAL NUMBER OF OBSERVATIONS

1740

1210WS FORM 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	43.4	44.2	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.5	45.5
≥ 20000	57.5	59.0	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4
≥ 18000	57.6	59.1	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.6	59.6
≥ 16000	57.6	59.1	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.6	59.6
≥ 14000	58.3	59.9	60.0	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4
≥ 12000	60.2	62.0	62.1	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5
≥ 10000	61.6	63.4	63.5	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0
≥ 9000	62.1	64.1	64.1	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6
≥ 8000	62.8	64.7	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.2
≥ 7000	63.0	65.0	65.1	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5
≥ 6000	64.5	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3
≥ 5000	65.2	67.8	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3
≥ 4500	65.6	68.2	68.2	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7
≥ 4000	66.8	69.9	70.0	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.5	70.5
≥ 3500	67.9	71.6	71.7	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.2	72.2
≥ 3000	69.4	73.3	73.4	73.8	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0
≥ 2500	70.7	74.8	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.5	75.5
≥ 2000	72.2	77.1	77.4	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.0	78.0
≥ 1800	73.1	78.2	78.5	79.0	79.1	79.1	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.4
≥ 1500	74.7	80.9	81.3	81.8	81.8	81.8	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1	82.1
≥ 1200	75.6	83.2	83.6	84.3	84.4	84.4	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.8
≥ 1000	76.1	84.9	85.6	86.3	86.4	86.4	86.5	86.7	86.8	86.8	86.8	86.8	86.8	86.8	87.0	87.0
≥ 900	76.4	85.7	86.6	87.4	87.5	87.5	87.6	87.8	87.9	87.9	87.9	87.9	87.9	87.9	88.0	88.0
≥ 800	76.7	86.4	87.3	88.3	88.4	88.4	88.5	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1
≥ 700	76.7	86.8	87.8	88.8	89.0	89.0	89.2	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.9	89.9
≥ 600	77.0	87.7	88.9	90.2	90.6	90.6	91.0	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.7	91.7
≥ 500	77.1	88.3	89.7	91.4	92.0	92.0	92.4	92.9	92.9	93.1	93.2	93.2	93.3	93.3	93.4	93.4
≥ 400	77.2	89.0	90.5	92.2	93.2	93.2	93.9	94.5	94.5	94.9	95.0	95.0	95.1	95.1	95.2	95.2
≥ 300	77.2	89.1	90.8	92.6	93.6	93.6	94.9	95.5	95.5	96.2	96.3	96.3	96.5	96.5	96.7	96.7
≥ 200	77.2	89.1	90.8	92.6	93.8	93.8	95.2	95.7	95.8	96.7	97.0	97.0	97.2	97.2	97.4	97.4
≥ 100	77.2	89.1	90.8	92.6	93.8	93.8	95.3	95.9	95.9	97.3	97.6	97.6	98.1	98.1	98.3	98.5
≥ 0	77.2	89.1	90.8	92.6	93.8	93.8	95.3	95.9	95.9	97.3	97.7	97.7	98.2	98.2	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1740

1210WS FORM 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.5	43.6	43.8	43.9	44.6	44.6	44.7	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.9
≥ 20000	50.3	54.4	54.7	55.1	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.4
≥ 18000	50.3	54.4	54.7	55.1	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.4
≥ 16000	50.3	54.4	54.7	55.1	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.4
≥ 14000	50.6	55.0	55.3	55.6	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	57.0
≥ 12000	51.2	56.4	56.7	57.0	58.0	58.0	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.5
≥ 10000	52.7	57.5	57.9	58.2	59.1	59.1	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.6
≥ 9000	53.3	58.1	58.4	58.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	60.1
≥ 8000	54.6	59.7	60.0	60.3	61.3	61.3	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.8
≥ 7000	55.4	60.5	60.8	61.1	62.1	62.1	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.6
≥ 6000	56.0	61.0	61.3	61.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.9	63.1
≥ 5000	57.1	62.3	62.6	62.9	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.4
≥ 4500	57.6	63.1	63.4	63.7	64.8	64.8	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.1	65.3
≥ 4000	58.8	64.4	64.8	65.1	66.2	66.2	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.7
≥ 3500	59.8	65.7	66.0	66.4	67.5	67.5	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	68.0
≥ 3000	61.3	67.3	67.8	68.2	69.2	69.2	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.5	69.7
≥ 2500	62.5	68.7	69.2	69.6	70.7	70.7	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	71.2
≥ 2000	64.7	71.6	72.4	72.8	74.0	74.0	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.5
≥ 1800	65.7	73.1	74.1	74.4	75.6	75.6	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.9	76.1
≥ 1500	67.8	75.9	77.0	77.4	78.6	78.6	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	79.0	79.2
≥ 1200	69.6	78.7	80.1	80.8	82.2	82.2	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.7	82.9
≥ 1000	70.8	81.3	82.9	83.7	85.1	85.1	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.6	85.8
≥ 900	71.5	82.7	84.5	85.3	86.8	86.8	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.6
≥ 800	72.1	84.4	86.3	87.3	89.0	89.0	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.6	89.8
≥ 700	72.3	84.9	87.2	88.1	90.0	90.0	90.4	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.9
≥ 600	72.4	85.2	87.8	89.1	91.2	91.2	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.9	92.1
≥ 500	72.6	86.0	89.1	90.8	92.9	92.9	93.6	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.1	94.4
≥ 400	72.6	86.2	89.3	91.1	93.7	93.7	94.5	94.7	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.5
≥ 300	72.6	86.2	89.6	91.7	94.5	94.6	95.8	96.1	96.1	96.7	96.8	96.8	96.8	96.8	96.9	97.1
≥ 200	72.6	86.2	89.6	91.9	94.7	94.8	96.1	96.5	96.5	97.5	97.6	97.6	97.6	97.6	97.7	98.0
≥ 100	72.6	86.2	89.6	91.9	94.7	94.8	96.2	96.5	96.5	97.9	98.1	98.1	98.5	98.5	98.7	99.1
≥ 0	72.6	86.2	89.6	91.9	94.7	94.8	96.2	96.5	96.5	97.9	98.1	98.1	98.5	98.5	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1611

1210WS FORM 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	36.9	40.8	41.3	41.7	41.8	41.8	42.0	42.1	42.1	42.2	42.2	42.2	42.3	42.3	42.5	42.5
≥ 20000	44.8	49.3	50.0	50.5	50.8	50.8	51.1	51.1	51.1	51.3	51.3	51.3	51.5	51.5	51.6	51.7
≥ 18000	44.8	49.3	50.0	50.5	50.8	50.8	51.1	51.1	51.1	51.3	51.3	51.3	51.5	51.5	51.6	51.7
≥ 16000	44.8	49.3	50.0	50.5	50.8	50.8	51.1	51.1	51.1	51.3	51.3	51.3	51.5	51.5	51.6	51.7
≥ 14000	45.1	49.5	50.3	50.8	51.1	51.1	51.3	51.4	51.4	51.5	51.6	51.6	51.7	51.7	51.9	52.0
≥ 12000	46.2	50.8	51.6	52.1	52.5	52.5	52.8	52.8	52.8	52.9	53.0	53.0	53.1	53.1	53.3	53.4
≥ 10000	46.9	51.6	52.5	52.9	53.3	53.3	53.6	53.6	53.6	53.8	53.8	53.8	53.9	53.9	54.1	54.2
≥ 9000	47.7	52.5	53.3	53.8	54.1	54.1	54.4	54.4	54.4	54.6	54.6	54.6	54.7	54.7	54.9	55.0
≥ 8000	48.9	53.8	54.8	55.3	55.7	55.7	55.9	56.0	56.0	56.1	56.2	56.2	56.3	56.3	56.5	56.7
≥ 7000	49.8	54.8	55.8	56.3	56.7	56.7	56.9	57.0	57.0	57.1	57.2	57.2	57.3	57.3	57.7	57.8
≥ 6000	50.3	55.8	56.9	57.4	57.8	57.8	58.1	58.2	58.2	58.3	58.3	58.3	58.5	58.5	58.8	59.0
≥ 5000	51.2	57.0	58.3	58.8	59.2	59.2	59.5	59.6	59.6	59.7	59.8	59.8	59.9	59.9	60.3	60.4
≥ 4500	51.5	57.4	58.8	59.3	59.7	59.7	60.0	60.1	60.1	60.2	60.3	60.3	60.4	60.4	60.8	60.9
≥ 4000	52.1	58.2	59.7	60.1	60.7	60.7	61.0	61.1	61.1	61.2	61.3	61.3	61.4	61.4	61.8	61.9
≥ 3500	52.8	59.3	60.8	61.3	61.8	61.8	62.1	62.2	62.2	62.4	62.4	62.4	62.6	62.6	62.9	63.1
≥ 3000	54.0	60.8	62.4	63.0	63.6	63.6	63.9	63.9	63.9	64.1	64.2	64.2	64.3	64.3	64.7	64.8
≥ 2500	56.0	63.2	64.8	65.6	66.3	66.3	66.7	66.7	66.7	66.9	67.0	67.0	67.1	67.1	67.5	67.6
≥ 2000	58.2	66.2	67.8	68.7	69.4	69.4	69.8	69.8	69.8	70.0	70.1	70.1	70.2	70.2	70.6	70.7
≥ 1800	59.8	68.4	70.0	71.1	71.9	71.9	72.3	72.4	72.4	72.6	72.6	72.6	72.7	72.7	73.1	73.2
≥ 1500	61.9	70.9	72.6	73.6	74.5	74.5	74.9	75.0	75.0	75.2	75.2	75.2	75.4	75.4	75.7	75.9
≥ 1200	63.7	73.9	75.8	76.9	78.1	78.1	78.5	78.6	78.6	78.8	78.8	78.8	79.0	79.0	79.3	79.5
≥ 1000	65.0	75.9	78.2	79.3	80.6	80.6	81.0	81.1	81.1	81.3	81.4	81.4	81.5	81.5	81.9	82.0
≥ 900	65.5	77.0	79.3	80.5	81.9	81.9	82.3	82.4	82.4	82.6	82.7	82.7	82.8	82.8	83.2	83.3
≥ 800	66.4	79.1	81.4	82.9	84.4	84.4	84.9	85.0	85.0	85.3	85.4	85.4	85.5	85.5	85.8	86.0
≥ 700	67.0	80.4	82.8	84.6	86.4	86.5	87.1	87.2	87.2	87.5	87.5	87.5	87.6	87.6	88.0	88.1
≥ 600	67.2	81.3	84.0	86.1	88.2	88.3	89.0	89.1	89.1	89.4	89.5	89.5	89.6	89.6	90.0	90.1
≥ 500	67.3	81.8	84.9	87.0	89.4	89.5	90.6	90.8	90.8	91.2	91.3	91.3	91.5	91.5	91.9	92.0
≥ 400	67.3	82.1	85.4	87.8	90.6	90.8	92.2	92.6	92.6	93.1	93.2	93.2	93.5	93.5	93.9	94.0
≥ 300	67.3	82.1	85.6	88.1	91.1	91.2	93.0	93.6	93.6	94.2	94.4	94.4	94.7	94.7	95.0	95.2
≥ 200	67.3	82.1	85.7	88.3	91.4	91.6	93.5	94.2	94.2	95.4	95.7	95.7	96.0	96.0	96.4	96.5
≥ 100	67.3	82.2	85.8	88.3	91.4	91.6	93.7	94.4	94.5	96.0	96.6	96.6	97.1	97.1	97.8	98.0
≥ 0	67.3	82.2	85.8	88.3	91.4	91.6	93.7	94.4	94.5	96.0	96.6	96.7	97.4	97.4	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS

1611

1210WS FORM JUL 64 0-14-5 (Del 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	31.0	34.8	35.1	35.5	35.8	35.8	36.2	36.3	36.3	36.4	36.4	36.4	36.6	36.6	36.9	37.0
≥ 20000	38.5	43.0	43.6	44.4	44.7	44.8	45.2	45.3	45.3	45.4	45.5	45.5	45.8	45.8	46.1	46.3
≥ 18000	38.8	43.3	43.9	44.6	44.9	45.0	45.4	45.6	45.6	45.7	45.7	45.7	46.1	46.1	46.3	46.6
≥ 16000	38.9	43.3	43.9	44.7	45.0	45.1	45.5	45.6	45.6	45.7	45.8	45.8	46.1	46.1	46.4	46.6
≥ 14000	39.4	43.9	44.6	45.3	45.6	45.7	46.1	46.2	46.2	46.4	46.4	46.4	46.7	46.7	47.0	47.2
≥ 12000	40.6	45.4	46.1	46.9	47.2	47.3	47.7	47.9	47.9	48.0	48.0	48.0	48.4	48.4	48.6	48.9
≥ 10000	41.8	46.7	47.5	48.4	48.7	48.8	49.2	49.3	49.3	49.5	49.5	49.5	49.9	49.9	50.2	50.5
≥ 9000	42.6	47.5	48.3	49.2	49.5	49.6	50.0	50.2	50.2	50.3	50.3	50.3	50.7	50.7	51.0	51.3
≥ 8000	43.3	48.5	49.3	50.2	50.5	50.6	51.0	51.1	51.1	51.3	51.3	51.3	51.7	51.7	52.0	52.3
≥ 7000	44.6	50.0	50.8	51.7	52.1	52.1	52.6	52.7	52.7	52.8	52.9	52.9	53.3	53.3	53.6	53.9
≥ 6000	45.4	51.2	52.3	53.1	53.5	53.6	54.0	54.1	54.1	54.3	54.3	54.3	54.7	54.7	55.0	55.3
≥ 5000	46.3	52.4	53.5	54.4	54.8	54.9	55.4	55.5	55.5	55.6	55.7	55.7	56.1	56.1	56.4	56.7
≥ 4500	46.6	52.7	53.8	54.8	55.2	55.2	55.7	55.9	55.9	56.0	56.1	56.1	56.4	56.4	56.7	57.0
≥ 4000	47.0	53.3	54.8	55.8	56.2	56.2	56.7	56.9	56.9	57.0	57.0	57.0	57.4	57.4	57.7	58.0
≥ 3500	47.9	53.9	56.1	57.0	57.4	57.5	58.0	58.1	58.1	58.2	58.3	58.3	58.7	58.7	59.0	59.3
≥ 3000	49.6	56.6	58.2	59.3	59.7	59.7	60.2	60.3	60.3	60.5	60.5	60.5	60.9	60.9	61.2	61.5
≥ 2500	51.0	58.8	60.4	61.6	62.1	62.1	62.6	62.8	62.8	62.9	62.9	62.9	63.3	63.3	63.6	63.9
≥ 2000	52.6	61.8	63.4	64.7	65.2	65.2	65.7	65.9	65.9	66.0	66.1	66.1	66.5	66.5	66.8	67.1
≥ 1800	53.9	63.2	64.9	66.4	66.9	66.9	67.4	67.6	67.6	67.7	67.8	67.8	68.2	68.2	68.5	68.8
≥ 1500	55.9	66.0	67.9	69.5	70.1	70.2	70.7	70.9	70.9	71.1	71.1	71.1	71.5	71.5	71.8	72.1
≥ 1200	58.1	69.4	71.3	73.2	73.9	73.9	74.5	74.7	74.7	74.9	75.0	75.0	75.4	75.4	75.7	76.0
≥ 1000	59.5	72.1	74.1	76.0	77.0	77.0	77.7	78.0	78.0	78.2	78.2	78.2	78.6	78.6	79.0	79.3
≥ 900	60.1	73.6	75.6	77.8	79.0	79.0	79.8	80.1	80.1	80.3	80.4	80.4	80.8	80.8	81.1	81.4
≥ 800	60.8	74.9	77.2	79.6	80.9	81.1	82.2	82.5	82.5	82.7	82.7	82.7	83.2	83.2	83.5	83.8
≥ 700	61.6	76.3	78.7	81.2	83.0	83.1	84.3	84.6	84.6	84.8	84.9	84.9	85.3	85.3	85.6	85.9
≥ 600	61.7	77.2	79.6	82.3	84.4	84.5	85.9	86.3	86.3	86.7	86.7	86.7	87.2	87.2	87.5	87.8
≥ 500	61.8	77.8	80.8	83.9	86.5	86.6	88.3	88.8	88.9	89.6	89.8	89.8	90.4	90.4	90.8	91.1
≥ 400	61.8	78.0	81.2	84.5	87.5	87.6	89.6	90.2	90.3	91.2	91.5	91.5	92.3	92.3	92.7	93.0
≥ 300	61.8	78.0	81.3	84.7	88.0	88.1	90.3	91.1	91.2	92.6	92.8	92.8	94.0	94.0	94.4	94.7
≥ 200	61.8	78.0	81.3	84.8	88.1	88.2	90.5	91.5	91.6	93.2	93.5	93.5	95.0	95.2	95.6	95.9
≥ 100	61.8	78.0	81.3	84.8	88.1	88.2	90.5	91.5	91.6	93.6	94.0	94.0	95.7	95.7	96.6	97.5
≥ 0	61.8	78.0	81.3	84.8	88.1	88.2	90.5	91.5	91.6	93.7	94.1	94.1	95.7	95.8	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1611

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	30.5	32.8	33.7	34.0	34.4	34.4	34.5	34.6	34.6	34.8	34.8	34.8	34.8	34.8	34.8	34.9
≥ 20000	41.3	44.0	45.0	45.6	46.2	46.2	46.5	46.6	46.6	46.7	46.8	46.8	46.9	46.9	46.9	46.9
≥ 18000	41.4	44.1	45.1	45.7	46.4	46.4	46.6	46.7	46.7	46.9	46.9	46.9	47.0	47.0	47.0	47.1
≥ 16000	41.4	44.1	45.1	45.7	46.4	46.4	46.6	46.7	46.7	46.9	46.9	46.9	47.0	47.0	47.0	47.1
≥ 14000	42.3	45.0	46.1	46.7	47.3	47.3	47.5	47.6	47.6	47.8	48.0	48.0	48.0	48.0	48.0	48.1
≥ 12000	43.7	46.6	47.6	48.2	48.9	48.9	49.1	49.2	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.7
≥ 10000	45.4	48.5	49.7	50.3	51.0	51.0	51.3	51.3	51.3	51.5	51.7	51.7	51.8	51.8	51.8	51.8
≥ 9000	46.3	49.4	50.5	51.1	51.8	51.9	52.1	52.2	52.2	52.4	52.6	52.6	52.6	52.6	52.6	52.7
≥ 8000	46.9	50.2	51.3	52.0	52.6	52.7	52.9	53.0	53.0	53.2	53.4	53.4	53.4	53.4	53.4	53.5
≥ 7000	48.0	51.7	52.9	53.5	54.2	54.3	54.5	54.6	54.6	54.7	54.9	54.9	55.0	55.0	55.0	55.1
≥ 6000	48.7	52.6	53.9	54.5	55.2	55.2	55.5	55.6	55.6	55.7	55.9	55.9	56.0	56.0	56.0	56.1
≥ 5000	49.5	53.7	55.1	55.7	56.4	56.5	56.7	56.8	56.8	57.0	57.2	57.2	57.2	57.2	57.2	57.3
≥ 4500	49.8	54.2	55.6	56.4	57.0	57.1	57.4	57.4	57.4	57.6	57.8	57.8	57.9	57.9	57.9	57.9
≥ 4000	50.3	54.9	56.4	57.1	57.8	57.9	58.2	58.2	58.2	58.4	58.6	58.6	58.7	58.7	58.7	58.7
≥ 3500	50.9	55.9	57.4	58.2	58.8	59.0	59.2	59.3	59.3	59.5	59.7	59.7	59.7	59.7	59.7	59.8
≥ 3000	52.0	57.2	58.8	59.6	60.3	60.4	60.6	60.7	60.7	60.9	61.1	61.1	61.1	61.1	61.1	61.2
≥ 2500	52.9	58.8	60.5	61.3	62.1	62.2	62.4	62.5	62.5	62.7	62.9	62.9	62.9	62.9	62.9	63.0
≥ 2000	55.9	62.9	64.7	65.5	66.4	66.5	66.7	66.8	66.8	67.0	67.2	67.2	67.2	67.2	67.2	67.3
≥ 1800	57.0	64.2	66.0	66.9	67.7	67.8	68.1	68.2	68.2	68.4	68.6	68.6	68.7	68.7	68.7	68.7
≥ 1500	59.2	67.5	69.5	70.4	71.2	71.4	71.7	71.8	71.8	72.0	72.2	72.2	72.3	72.3	72.3	72.3
≥ 1200	61.3	71.1	73.2	74.2	75.2	75.5	75.7	75.8	75.9	76.0	76.2	76.2	76.3	76.3	76.3	76.4
≥ 1000	63.0	74.0	76.5	77.7	79.1	79.4	79.7	79.8	79.9	80.1	80.3	80.3	80.3	80.3	80.3	80.4
≥ 900	63.3	75.0	77.7	79.0	80.9	81.3	81.6	81.8	81.9	82.1	82.2	82.2	82.3	82.3	82.3	82.4
≥ 800	64.3	77.1	80.2	81.6	83.7	84.1	84.8	85.0	85.0	85.2	85.4	85.4	85.5	85.5	85.5	85.5
≥ 700	64.8	78.0	81.4	83.2	85.4	86.0	86.7	87.1	87.2	87.3	87.5	87.5	87.6	87.6	87.6	87.6
≥ 600	65.1	78.9	82.6	84.5	87.0	87.7	88.8	89.3	89.4	89.8	89.9	89.9	90.1	90.1	90.1	90.1
≥ 500	65.2	79.7	83.6	86.0	89.0	89.6	91.1	91.8	92.0	92.4	92.6	92.6	92.9	92.9	92.9	93.0
≥ 400	65.2	79.8	83.7	86.0	89.4	90.4	92.2	93.0	93.2	93.9	94.2	94.2	94.5	94.5	94.5	94.7
≥ 300	65.3	80.0	83.9	86.4	89.9	90.9	93.2	94.2	94.4	95.4	95.7	95.7	96.2	96.2	96.3	96.5
≥ 200	65.3	80.0	83.9	86.4	89.9	90.9	93.5	94.5	94.7	96.0	96.6	96.6	97.3	97.4	97.7	97.9
≥ 100	65.3	80.0	83.9	86.4	89.9	90.9	93.5	94.5	94.7	96.2	96.7	96.7	97.5	97.6	98.4	99.1
≥ 0	65.3	80.0	83.9	86.4	89.9	90.9	93.5	94.5	94.7	96.2	96.8	96.8	97.5	97.8	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS

1611

1210WS FORM JUL 64 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.5	37.3	37.5	37.9	38.1	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.4	38.4	38.4
≥ 20000	48.4	50.8	51.3	51.8	52.0	52.0	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.4	52.4	52.4
≥ 18000	48.6	50.9	51.4	51.9	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.5
≥ 16000	48.8	51.1	51.6	52.1	52.4	52.4	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.7	52.7	52.7
≥ 14000	49.7	52.2	52.7	53.2	53.5	53.5	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.9	53.9	53.9
≥ 12000	50.9	53.5	54.1	54.7	54.9	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.3	55.3	55.3
≥ 10000	52.2	55.2	55.7	56.3	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.9	56.9	56.9
≥ 9000	52.4	55.5	56.1	56.7	57.0	57.0	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 8000	53.1	56.1	57.0	57.6	57.9	57.9	58.1	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3
≥ 7000	54.0	57.4	58.2	58.9	59.2	59.2	59.4	59.4	59.4	59.5	59.5	59.5	59.6	59.6	59.6	59.6
≥ 6000	54.7	58.2	59.0	59.7	60.0	60.0	60.2	60.2	60.2	60.3	60.3	60.3	60.4	60.4	60.4	60.4
≥ 5000	55.3	58.9	59.9	60.6	60.9	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3
≥ 4500	56.1	59.8	60.8	61.5	61.9	61.9	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 4000	56.8	60.6	61.6	62.3	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1
≥ 3500	58.0	61.7	62.8	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3
≥ 3000	59.8	64.3	65.3	66.1	66.5	66.5	66.8	66.8	66.8	66.9	66.9	66.9	67.0	67.0	67.0	67.0
≥ 2500	62.9	68.1	69.2	69.9	70.4	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8
≥ 2000	66.1	71.9	73.0	73.8	74.2	74.3	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 1800	67.5	73.4	74.5	75.3	75.8	75.9	76.3	76.3	76.3	76.4	76.4	76.4	76.5	76.5	76.5	76.5
≥ 1500	69.7	76.8	78.3	79.2	79.7	79.8	80.2	80.2	80.3	80.4	80.4	80.4	80.5	80.5	80.5	80.5
≥ 1200	72.4	81.2	82.9	83.9	84.3	84.5	85.0	85.0	85.0	85.2	85.2	85.2	85.3	85.3	85.3	85.3
≥ 1000	74.1	84.2	86.3	87.3	87.9	88.0	88.6	88.6	88.6	88.8	88.8	88.8	88.9	88.9	88.9	88.9
≥ 900	74.3	84.7	86.8	88.1	88.9	89.1	89.7	89.7	89.8	89.9	89.9	89.9	90.0	90.0	90.0	90.0
≥ 800	74.5	85.2	87.7	89.3	90.5	90.7	91.4	91.4	91.5	91.6	91.6	91.6	91.7	91.7	91.7	91.7
≥ 700	74.7	86.3	88.9	90.7	92.2	92.5	93.2	93.4	93.4	93.5	93.5	93.5	93.7	93.7	93.7	93.7
≥ 600	74.8	86.7	89.5	91.5	93.1	93.5	94.6	95.0	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3
≥ 500	74.8	87.0	90.0	92.3	94.3	94.7	96.0	96.6	96.6	96.8	96.9	96.9	97.0	97.0	97.1	97.1
≥ 400	74.8	87.2	90.3	92.7	94.8	95.3	96.8	97.4	97.5	97.9	98.0	98.0	98.1	98.1	98.1	98.1
≥ 300	74.8	87.3	90.4	92.9	95.1	95.7	97.5	98.2	98.3	98.8	99.1	99.1	99.3	99.3	99.3	99.3
≥ 200	74.8	87.3	90.4	92.9	95.1	95.7	97.5	98.4	98.4	99.1	99.6	99.6	99.7	99.7	99.8	99.8
≥ 100	74.8	87.3	90.4	92.9	95.1	95.7	97.5	98.4	98.4	99.1	99.6	99.6	99.8	99.8	99.9	99.9
≥ 0	74.8	87.3	90.4	92.9	95.1	95.7	97.5	98.4	98.4	99.1	99.6	99.6	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1610

1210W5 FORM 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ALLIED/ECRY BUSINESS SYSTEMS

150023

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.1	36.7	36.9	37.2	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
IV 20000	52.6	54.9	55.2	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 18000	52.6	55.0	55.4	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 16000	52.8	55.2	55.6	56.1	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 14000	53.9	56.5	56.9	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 12000	55.4	58.0	58.4	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 10000	57.2	60.2	60.6	61.1	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 9000	57.7	60.7	61.1	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 8000	58.5	61.6	62.0	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 7000	59.6	62.8	63.3	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 6000	60.3	63.8	64.2	65.0	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 5000	61.5	65.0	65.5	66.4	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 4500	62.1	65.6	66.2	67.0	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 4000	64.0	68.2	68.8	69.6	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 3500	65.4	69.8	70.4	71.2	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 3000	67.8	72.7	73.3	74.2	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 2500	70.9	76.6	77.2	78.1	78.5	78.5	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 2000	73.1	79.7	80.3	81.3	81.8	81.8	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 1800	73.7	80.6	81.3	82.3	82.7	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 1500	75.1	83.1	84.0	85.2	85.7	85.7	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1200	76.7	85.6	86.8	88.2	88.9	89.0	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7
IV 1000	77.6	87.5	88.8	90.4	91.1	91.2	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.0
IV 900	77.7	87.7	89.3	90.9	91.8	91.9	92.4	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 800	77.7	88.1	89.7	91.8	93.0	93.2	93.7	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.2
IV 700	77.7	88.8	90.6	92.9	94.3	94.5	95.3	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	96.0
IV 600	77.7	89.0	90.9	93.5	94.9	95.1	96.0	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.9
IV 500	77.8	89.3	91.2	93.8	95.3	95.5	96.8	97.4	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.9
IV 400	77.8	89.7	91.7	94.4	96.0	96.4	97.8	98.4	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.1
IV 300	77.8	89.8	91.7	94.5	96.3	96.7	98.2	98.9	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.8
IV 200	77.8	89.8	91.7	94.5	96.3	96.7	98.2	98.9	98.9	99.4	99.7	99.7	99.7	99.8	99.8	99.9
IV 100	77.8	89.8	91.7	94.5	96.3	96.7	98.2	98.9	98.9	99.4	99.7	99.7	99.7	99.8	99.8	99.9
IV 0	77.8	89.8	91.7	94.5	96.3	96.7	98.2	98.9	98.9	99.4	99.7	99.7	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

1611

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	20.6	42.0	42.2	42.7	43.0	43.0	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000	55.7	59.0	59.3	59.9	60.4	60.4	60.4	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000	55.8	59.1	59.4	60.1	60.5	60.5	60.6	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8
≥ 16000	56.3	59.6	59.9	60.6	61.0	61.0	61.1	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	57.0	60.6	60.8	61.5	61.9	61.9	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2
≥ 12000	58.6	62.2	62.5	63.2	63.7	63.7	63.7	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0
≥ 10000	60.6	64.3	64.7	65.3	65.8	65.8	65.9	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1
≥ 9000	61.0	64.8	65.1	65.8	66.3	66.3	66.3	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6
≥ 8000	62.5	66.4	66.7	67.5	68.0	68.0	68.1	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3
≥ 7000	63.0	67.1	67.5	68.3	68.8	68.8	68.9	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1
≥ 6000	64.1	68.7	69.1	69.8	70.3	70.3	70.4	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7
≥ 5000	65.6	70.5	71.0	71.7	72.2	72.2	72.4	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4500	66.5	71.4	71.9	72.7	73.2	73.2	73.3	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5
≥ 4000	68.2	73.9	74.5	75.2	75.7	75.7	75.8	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3500	69.6	75.7	76.2	77.0	77.5	77.5	77.6	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3000	70.9	77.4	78.1	78.9	79.4	79.4	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8
≥ 2500	72.5	79.6	80.2	81.1	81.7	81.7	81.8	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2000	73.9	81.8	82.5	83.4	84.2	84.2	84.3	84.5	84.5	84.6	84.6	84.6	84.7	84.7	84.7
≥ 1800	74.8	83.0	83.9	84.8	85.5	85.5	85.7	85.9	85.9	86.0	86.0	86.0	86.1	86.1	86.1
≥ 1500	75.7	84.7	85.6	86.6	87.5	87.5	87.8	88.0	88.0	88.1	88.1	88.1	88.2	88.2	88.2
≥ 1200	76.4	86.5	87.7	89.1	90.1	90.2	90.4	90.6	90.6	90.8	90.8	90.8	90.9	90.9	90.9
≥ 1000	76.9	87.2	88.7	90.3	91.4	91.4	91.7	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2
≥ 900	76.9	87.3	88.8	90.5	91.9	92.0	92.3	92.5	92.5	92.7	92.7	92.7	92.8	92.8	92.8
≥ 800	76.9	87.8	89.5	91.3	93.1	93.3	93.9	94.2	94.2	94.3	94.3	94.3	94.4	94.4	94.4
≥ 700	76.9	88.2	90.1	92.0	93.9	94.0	94.6	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600	77.0	88.6	90.5	92.5	94.5	94.7	95.3	95.9	95.9	96.4	96.4	96.4	96.5	96.5	96.6
≥ 500	77.1	88.9	90.9	92.9	95.2	95.4	96.1	96.8	96.8	97.5	97.5	97.5	97.6	97.6	97.6
≥ 400	77.1	89.2	91.2	93.3	95.6	95.8	96.6	97.3	97.3	98.2	98.2	98.2	98.3	98.3	98.4
≥ 300	77.1	89.3	91.4	93.5	95.8	96.1	97.0	97.7	97.7	98.6	98.6	98.6	98.9	98.9	99.0
≥ 200	77.1	89.3	91.4	93.5	95.8	96.1	97.1	97.8	97.8	98.8	98.8	98.8	99.0	99.3	99.3
≥ 100	77.1	89.3	91.4	93.5	95.6	96.1	97.1	97.8	97.8	98.8	99.1	99.1	99.4	99.4	99.5
≥ 0	77.1	89.3	91.4	93.5	95.8	96.1	97.1	97.8	97.8	98.8	99.1	99.1	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1610

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.3	46.0	46.1	46.4	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.3	47.3
≥ 20000	55.4	59.8	60.1	60.8	61.5	61.5	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	62.0	62.0
≥ 18000	55.4	59.8	60.1	60.8	61.5	61.5	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	62.0	62.0
≥ 16000	55.4	59.9	60.2	60.8	61.6	61.6	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	62.1	62.1
≥ 14000	55.9	60.3	60.6	61.3	62.0	62.0	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.5	62.5
≥ 12000	56.7	61.5	61.8	62.4	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.6	63.6
≥ 10000	57.9	63.1	63.4	64.0	64.7	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.2	65.2
≥ 9000	58.7	63.9	64.2	64.8	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	66.0	66.0
≥ 8000	59.7	65.1	65.4	66.0	66.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.2	67.2
≥ 7000	60.6	66.0	66.4	67.0	67.7	67.7	67.8	67.8	67.8	67.9	67.9	67.9	67.9	67.9	68.2	68.2
≥ 6000	61.5	67.0	67.3	67.9	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.1	69.1
≥ 5000	63.5	69.3	69.8	70.4	71.1	71.1	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.7	71.7
≥ 4500	64.2	70.2	70.8	71.5	72.3	72.3	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.8	72.8
≥ 4000	65.9	72.3	72.7	73.5	74.2	74.2	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.8	74.8
≥ 3500	67.7	74.1	74.5	75.3	76.0	76.0	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.6	76.6
≥ 3000	69.2	75.9	76.3	77.0	77.8	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.3	78.3
≥ 2500	70.3	77.3	77.8	78.5	79.3	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.8	79.8
≥ 2000	72.1	79.9	80.5	81.5	82.4	82.4	82.5	82.6	82.6	82.7	82.7	82.7	82.7	82.7	83.1	83.1
≥ 1800	72.9	81.3	82.1	83.1	84.0	84.0	84.4	84.5	84.5	84.6	84.6	84.6	84.6	84.6	85.0	85.0
≥ 1500	73.9	83.4	84.4	85.5	86.6	86.7	87.0	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.6	87.6
≥ 1200	74.9	85.3	86.4	87.6	88.8	88.9	89.2	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.9	89.9
≥ 1000	75.2	86.1	87.3	88.6	89.9	89.9	90.3	90.4	90.5	90.6	90.6	90.6	90.6	90.6	91.0	91.0
≥ 900	75.5	87.0	88.5	90.0	91.4	91.4	91.8	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.6	92.6
≥ 800	75.5	87.4	89.0	90.4	92.2	92.2	92.7	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.5	93.5
≥ 700	75.5	87.7	89.4	90.9	92.9	93.0	93.4	93.7	93.7	93.9	93.9	93.9	93.9	93.9	94.2	94.2
≥ 600	75.7	88.1	89.9	91.4	93.5	93.5	94.0	94.4	94.4	94.6	94.6	94.6	94.6	94.6	95.0	95.0
≥ 500	75.9	88.6	90.5	92.2	94.7	94.8	95.4	95.8	95.8	96.2	96.2	96.2	96.2	96.2	96.5	96.5
≥ 400	75.9	88.7	90.7	92.7	95.3	95.4	96.1	96.5	96.6	96.9	97.1	97.1	97.1	97.1	97.5	97.5
≥ 300	76.0	88.9	91.0	93.1	95.8	95.9	96.6	97.1	97.2	97.5	97.7	97.7	97.7	97.7	98.1	98.1
≥ 200	76.0	88.9	91.0	93.2	95.9	96.0	96.8	97.3	97.4	98.1	98.3	98.3	98.4	98.4	98.8	98.8
≥ 100	76.0	89.0	91.1	93.2	96.0	96.1	97.0	97.5	97.6	98.5	98.8	98.8	99.1	99.1	99.5	99.5
≥ 0	76.0	89.0	91.1	93.2	96.0	96.1	97.0	97.5	97.6	98.5	98.8	98.8	99.1	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1611

1210WS FORM 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.0	45.2	45.4	45.8	45.9	45.9	46.0	46.2	46.2	46.5	46.6	46.6	46.6	46.6	46.7	46.8
≥ 20000	53.9	57.5	57.8	58.3	58.5	58.5	58.7	58.8	58.8	59.2	59.3	59.3	59.3	59.3	59.4	59.5
≥ 18000	54.0	57.6	57.9	58.4	58.6	58.6	58.8	58.9	58.9	59.3	59.4	59.4	59.4	59.4	59.5	59.6
≥ 16000	54.0	57.6	58.0	58.4	58.7	58.7	58.8	59.0	59.0	59.4	59.5	59.5	59.5	59.5	59.6	59.6
≥ 14000	54.8	59.2	59.6	60.0	60.2	60.2	60.4	60.6	60.6	61.0	61.0	61.0	61.0	61.0	61.2	61.2
≥ 12000	55.7	60.5	60.9	61.3	61.6	61.6	61.7	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.5	62.5
≥ 10000	56.1	61.0	61.4	61.8	62.1	62.1	62.2	62.4	62.4	62.8	62.9	62.9	62.9	62.9	63.0	63.0
≥ 9000	56.6	61.6	61.9	62.4	62.6	62.6	62.8	63.0	63.0	63.4	63.4	63.4	63.4	63.4	63.5	63.6
≥ 8000	57.2	62.3	62.7	63.2	63.4	63.4	63.6	63.8	63.8	64.2	64.3	64.3	64.3	64.3	64.4	64.4
≥ 7000	57.5	62.7	63.1	63.6	63.8	63.8	64.0	64.2	64.2	64.6	64.7	64.7	64.7	64.7	64.8	64.8
≥ 6000	58.5	63.8	64.2	64.6	64.8	64.8	65.1	65.3	65.3	65.7	65.8	65.8	65.8	65.8	65.9	66.0
≥ 5000	59.7	65.6	66.0	66.5	66.7	66.7	66.9	67.2	67.2	67.6	67.7	67.7	67.7	67.7	67.8	67.8
≥ 4500	60.5	66.4	66.8	67.2	67.4	67.4	67.7	68.0	68.0	68.3	68.4	68.4	68.4	68.4	68.5	68.6
≥ 4000	61.9	68.2	68.6	69.0	69.3	69.3	69.5	69.8	69.8	70.2	70.2	70.2	70.2	70.2	70.3	70.4
≥ 3500	62.9	69.5	69.9	70.3	70.6	70.6	70.8	71.1	71.1	71.5	71.5	71.5	71.5	71.5	71.6	71.7
≥ 3000	65.1	71.9	72.3	72.7	73.0	73.0	73.3	73.6	73.6	74.0	74.0	74.0	74.0	74.0	74.1	74.2
≥ 2500	66.5	74.0	74.4	75.0	75.3	75.3	75.5	75.8	75.8	76.2	76.3	76.3	76.3	76.3	76.4	76.4
≥ 2000	69.9	78.2	78.7	79.4	79.7	79.7	80.0	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.9	80.9
≥ 1800	72.0	80.8	81.4	82.2	82.5	82.5	82.8	83.1	83.1	83.5	83.6	83.6	83.6	83.6	83.7	83.7
≥ 1500	74.1	84.0	84.5	85.4	85.7	85.7	86.2	86.5	86.5	86.9	86.9	86.9	86.9	86.9	87.0	87.1
≥ 1200	76.7	87.5	88.1	89.0	89.4	89.4	89.8	90.1	90.1	90.6	90.7	90.7	90.7	90.7	90.8	90.8
≥ 1000	78.0	89.1	89.7	90.7	91.2	91.2	91.7	92.1	92.1	92.6	92.6	92.6	92.6	92.6	92.8	92.8
≥ 900	78.5	90.0	90.6	91.6	92.1	92.1	92.7	93.0	93.0	93.6	93.7	93.7	93.7	93.7	93.8	93.8
≥ 800	79.0	90.6	91.3	92.6	93.1	93.1	93.7	94.1	94.1	94.6	94.7	94.7	94.7	94.7	94.8	94.8
≥ 700	79.3	91.5	92.3	93.7	94.3	94.3	94.8	95.2	95.2	95.8	95.8	95.8	95.8	95.8	95.9	96.0
≥ 600	79.5	92.1	93.0	94.5	95.0	95.0	95.6	96.0	96.0	96.6	96.7	96.7	96.7	96.7	96.8	96.8
≥ 500	79.7	92.4	93.3	94.8	95.4	95.4	96.3	96.7	96.7	97.3	97.4	97.4	97.5	97.5	97.6	97.6
≥ 400	79.7	92.6	93.5	95.0	95.8	95.8	96.6	97.0	97.0	97.7	97.7	97.7	97.8	97.8	98.0	98.0
≥ 300	79.7	92.8	93.7	95.2	96.0	96.0	96.9	97.3	97.3	98.1	98.1	98.1	98.2	98.2	98.4	98.4
≥ 200	79.8	92.9	93.8	95.4	96.1	96.1	97.1	97.5	97.5	98.4	98.5	98.5	98.5	98.5	98.7	98.8
≥ 100	79.8	92.9	93.8	95.4	96.1	96.1	97.2	97.6	97.6	98.5	98.7	98.7	98.7	98.9	99.1	99.2
≥ 0	79.8	93.0	93.9	95.5	96.2	96.2	97.3	97.7	97.7	98.6	98.8	98.8	99.1	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

1766

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	37.3	39.9	40.3	40.4	40.5	40.5	40.5	40.7	40.7	40.9	40.9	40.9	40.9	40.9	41.0	41.1
≥ 20000	45.3	48.9	49.5	49.8	49.8	49.8	49.9	50.1	50.1	50.2	50.2	50.2	50.3	50.3	50.5	50.6
≥ 18000	45.4	48.9	49.6	49.8	49.9	49.9	49.9	50.1	50.1	50.3	50.3	50.3	50.3	50.3	50.5	50.7
≥ 16000	45.5	49.0	49.7	49.9	50.0	50.0	50.1	50.2	50.2	50.4	50.4	50.4	50.5	50.5	50.6	50.8
≥ 14000	46.1	50.2	50.9	51.1	51.2	51.2	51.2	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.8	52.0
≥ 12000	47.4	51.5	52.2	52.4	52.5	52.5	52.5	52.7	52.7	52.9	52.9	52.9	52.9	52.9	53.1	53.3
≥ 10000	48.1	52.3	52.9	53.2	53.3	53.3	53.3	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.9	54.1
≥ 9000	48.8	53.0	53.7	54.0	54.0	54.0	54.1	54.2	54.2	54.4	54.4	54.4	54.5	54.5	54.6	54.8
≥ 8000	49.7	54.3	55.0	55.3	55.4	55.4	55.5	55.7	55.7	55.8	55.8	55.8	55.9	55.9	56.1	56.2
≥ 7000	50.9	55.7	56.4	56.7	56.8	56.8	56.9	57.1	57.1	57.2	57.2	57.2	57.3	57.3	57.5	57.6
≥ 6000	52.0	56.9	57.6	57.9	58.0	58.0	58.1	58.3	58.3	58.4	58.4	58.4	58.5	58.5	58.7	58.8
≥ 5000	54.0	59.1	59.8	60.1	60.2	60.2	60.3	60.5	60.5	60.6	60.6	60.6	60.7	60.7	60.9	61.0
≥ 4500	54.8	60.1	60.8	61.2	61.2	61.2	61.3	61.5	61.5	61.7	61.7	61.7	61.7	61.7	61.9	62.1
≥ 4000	55.4	60.9	61.8	62.2	62.2	62.2	62.3	62.5	62.5	62.7	62.7	62.7	62.7	62.7	62.9	63.1
≥ 3500	56.1	61.8	62.7	63.2	63.3	63.3	63.4	63.5	63.5	63.8	63.8	63.8	63.8	63.8	64.0	64.2
≥ 3000	57.2	63.2	64.2	64.7	64.8	64.8	64.9	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.5	65.7
≥ 2500	58.7	65.0	66.1	66.8	66.8	66.8	66.9	67.1	67.1	67.3	67.3	67.3	67.4	67.4	67.6	67.7
≥ 2000	61.5	68.8	70.1	70.8	71.0	71.0	71.1	71.2	71.2	71.5	71.5	71.5	71.7	71.7	71.9	72.0
≥ 1800	64.0	71.6	73.0	73.8	74.0	74.0	74.2	74.3	74.3	74.6	74.6	74.6	74.8	74.8	75.0	75.1
≥ 1500	68.0	76.4	77.9	78.7	78.9	78.9	79.1	79.3	79.3	79.5	79.5	79.5	79.7	79.7	79.9	80.1
≥ 1200	71.0	81.0	82.6	83.6	83.8	83.8	84.1	84.3	84.3	84.7	84.7	84.7	84.9	84.9	85.1	85.3
≥ 1000	72.3	83.1	84.7	85.7	86.2	86.2	86.6	86.8	86.8	87.3	87.3	87.3	87.5	87.5	87.7	87.9
≥ 900	72.8	84.0	85.7	87.0	87.5	87.5	88.0	88.2	88.2	88.7	88.7	88.7	89.0	89.0	89.1	89.3
≥ 800	73.6	85.2	86.9	88.4	89.0	89.0	89.5	89.8	89.8	90.3	90.3	90.3	90.7	90.7	90.8	91.0
≥ 700	74.3	86.4	88.3	90.1	90.7	90.7	91.3	91.6	91.6	92.1	92.1	92.1	92.5	92.5	92.6	92.8
≥ 600	74.7	87.4	89.3	91.3	91.9	91.9	92.5	92.8	92.8	93.4	93.4	93.4	93.7	93.7	93.9	94.1
≥ 500	74.8	88.1	90.0	92.0	92.8	92.8	93.5	93.8	93.8	94.4	94.4	94.4	94.7	94.7	94.9	95.1
≥ 400	74.8	88.2	90.2	92.3	93.5	93.5	94.7	95.0	95.0	95.6	95.6	95.6	95.9	95.9	96.1	96.3
≥ 300	74.8	88.3	90.4	92.5	93.8	93.8	95.1	95.5	95.5	96.1	96.2	96.2	96.5	96.5	96.7	96.9
≥ 200	74.8	88.3	90.5	92.6	93.9	93.9	95.2	95.6	95.6	96.3	96.4	96.4	96.9	96.9	97.1	97.2
≥ 100	74.8	88.3	90.5	92.6	93.9	93.9	95.2	95.7	95.7	96.5	96.9	96.9	97.7	97.7	98.0	98.2
≥ 0	74.8	88.3	90.5	92.6	93.9	93.9	95.2	95.7	95.7	96.7	96.9	96.9	97.8	97.8	98.3	98.5

TOTAL NUMBER OF OBSERVATIONS

1766

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	29.5	33.3	33.9	24.2	34.6	34.6	34.8	34.9	34.9	35.1	35.1	35.1	35.2	35.2	35.3	35.3
≥ 20000	38.7	44.1	44.9	45.4	46.1	46.1	46.3	46.5	46.5	46.6	46.7	46.7	46.7	46.7	46.9	46.9
≥ 18000	38.7	44.3	45.1	45.6	46.3	46.3	46.5	46.6	46.6	46.8	46.9	46.9	46.9	46.9	47.0	47.1
≥ 16000	38.8	44.4	45.2	45.7	46.4	46.4	46.6	46.7	46.7	46.9	47.0	47.0	47.0	47.0	47.1	47.2
≥ 14000	40.0	45.8	46.6	47.1	47.8	47.8	48.0	48.2	48.2	48.3	48.4	48.4	48.4	48.4	48.6	48.6
≥ 12000	41.5	47.8	48.6	49.1	49.8	49.8	50.0	50.1	50.1	50.3	50.4	50.4	50.4	50.4	50.5	50.6
≥ 10000	43.0	49.3	50.2	50.7	51.4	51.4	51.6	51.7	51.7	51.9	52.0	52.0	52.0	52.0	52.1	52.2
≥ 8000	43.6	50.0	50.9	51.4	52.1	52.1	52.2	52.4	52.4	52.6	52.6	52.6	52.7	52.7	52.8	52.9
≥ 7000	44.3	50.8	51.7	52.2	52.9	52.9	53.2	53.4	53.4	53.5	53.6	53.6	53.7	53.7	53.8	53.9
≥ 6000	45.0	51.8	52.8	53.4	54.0	54.0	54.4	54.6	54.6	54.8	54.8	54.8	55.0	55.0	55.1	55.1
≥ 5000	46.1	53.3	54.3	54.8	55.5	55.5	55.9	56.1	56.1	56.3	56.3	56.3	56.4	56.4	56.5	56.6
≥ 4500	47.5	55.2	56.3	56.9	57.6	57.6	58.0	58.1	58.1	58.3	58.3	58.3	58.5	58.5	58.6	58.6
≥ 4000	48.0	55.9	57.0	57.6	58.3	58.3	58.7	58.9	58.9	59.1	59.1	59.1	59.3	59.3	59.4	59.4
≥ 3500	49.1	57.2	58.3	59.0	59.7	59.7	60.2	60.3	60.3	60.5	60.6	60.6	60.7	60.7	60.8	60.8
≥ 3000	49.9	58.3	59.5	60.3	61.0	61.0	61.4	61.6	61.6	61.7	61.8	61.8	61.9	61.9	62.0	62.1
≥ 2500	51.2	60.3	61.7	62.5	63.3	63.3	63.8	64.0	64.0	64.2	64.2	64.2	64.3	64.3	64.5	64.5
≥ 2000	53.0	62.9	64.5	65.3	66.0	66.0	66.6	66.8	66.8	66.9	67.0	67.0	67.1	67.1	67.2	67.3
≥ 1800	55.5	66.0	67.7	68.7	69.6	69.6	70.1	70.3	70.3	70.5	70.5	70.5	70.7	70.7	70.8	70.9
≥ 1600	56.8	67.6	69.4	70.5	71.3	71.3	72.0	72.2	72.2	72.3	72.4	72.4	72.6	72.6	72.7	72.7
≥ 1500	59.5	71.4	73.2	74.3	75.2	75.2	75.9	76.2	76.2	76.3	76.4	76.4	76.6	76.6	76.7	76.7
≥ 1200	62.1	74.5	77.0	78.1	78.9	79.0	79.7	80.0	80.0	80.1	80.2	80.2	80.4	80.4	80.5	80.5
≥ 1000	63.4	77.4	79.9	81.3	82.3	82.3	83.0	83.4	83.4	83.5	83.6	83.6	83.8	83.8	83.9	83.9
≥ 900	63.9	78.6	81.3	82.7	83.8	83.8	84.6	84.9	84.9	85.1	85.1	85.1	85.3	85.3	85.4	85.5
≥ 800	64.4	80.0	83.0	84.7	85.8	85.9	86.6	87.2	87.2	87.4	87.5	87.5	87.8	87.8	87.9	87.9
≥ 700	65.0	81.0	84.2	86.5	87.9	88.0	88.9	89.5	89.5	89.8	89.9	89.9	90.2	90.2	90.3	90.3
≥ 600	65.1	81.8	85.4	88.1	89.5	89.6	90.5	91.2	91.2	91.6	91.7	91.7	92.0	92.0	92.1	92.1
≥ 500	65.3	82.2	86.1	89.1	91.0	91.2	92.4	93.1	93.1	93.8	94.0	94.0	94.3	94.3	94.4	94.5
≥ 400	65.5	82.6	86.5	89.7	91.8	92.1	93.5	94.3	94.3	95.1	95.4	95.4	95.6	95.6	95.8	95.8
≥ 300	65.5	82.7	86.6	89.9	92.0	92.4	93.8	94.7	94.7	95.6	95.9	95.9	96.3	96.3	96.4	96.4
≥ 200	65.5	82.7	86.7	90.0	92.1	92.5	94.0	95.0	95.0	96.3	96.9	96.9	97.3	97.3	97.5	97.6
≥ 100	65.5	82.8	86.8	90.0	92.2	92.5	94.1	95.0	95.0	96.5	97.1	97.1	97.7	97.8	98.1	98.2
≥ 0	65.5	82.8	86.8	90.0	92.2	92.5	94.1	95.0	95.0	96.5	97.1	97.1	97.8	97.8	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS

1767

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	32.2	35.4	35.5	35.6	35.8	35.8	35.8	35.8	35.8	35.9	35.9	35.9	36.0	36.0	36.0	36.0
≥ 20000	44.7	49.6	49.7	49.9	50.1	50.1	50.1	50.1	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 18000	45.1	50.0	50.1	50.4	50.5	50.5	50.5	50.5	50.5	50.7	50.7	50.7	50.8	50.8	50.8	50.8
≥ 16000	45.1	50.0	50.1	50.4	50.5	50.5	50.5	50.5	50.5	50.7	50.7	50.7	50.8	50.8	50.8	50.8
≥ 14000	46.0	51.0	51.1	51.3	51.5	51.5	51.5	51.5	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 12000	47.6	52.8	53.0	53.3	53.4	53.4	53.4	53.4	53.4	53.6	53.6	53.6	53.7	53.7	53.7	53.7
≥ 10000	48.7	54.3	54.6	54.8	55.0	55.0	55.0	55.0	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 9000	49.0	54.7	55.0	55.2	55.4	55.4	55.4	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 8000	49.9	55.7	56.0	56.3	56.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7
≥ 7000	50.7	56.7	57.0	57.4	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.8	57.8	57.8	57.8
≥ 6000	52.0	58.1	58.4	58.7	58.9	58.9	58.9	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 5000	53.1	59.6	60.1	60.4	60.6	60.6	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 4500	53.7	60.4	60.9	61.3	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.7	61.7	61.7	61.7
≥ 4000	54.7	61.5	62.0	62.4	62.6	62.6	62.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 3500	55.7	62.6	63.2	63.6	63.8	63.8	63.8	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 3000	57.6	65.0	65.6	66.0	66.2	66.2	66.2	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 2500	59.3	67.2	67.8	68.3	68.5	68.5	68.5	68.5	68.5	68.7	68.7	68.7	68.8	68.8	68.8	68.8
≥ 2000	62.6	71.4	72.3	72.9	73.3	73.3	73.3	73.3	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 1800	63.8	73.0	74.0	74.6	75.0	75.0	75.0	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 1500	66.3	76.7	77.7	78.4	78.8	78.8	78.8	78.9	78.9	79.2	79.2	79.2	79.3	79.3	79.3	79.3
≥ 1200	68.4	80.6	81.9	82.7	83.1	83.1	83.2	83.4	83.4	83.7	83.7	83.7	83.8	83.8	83.8	83.8
≥ 1000	69.7	83.1	84.6	85.6	86.0	86.0	86.1	86.4	86.4	86.6	86.6	86.6	86.7	86.7	86.7	86.7
≥ 900	69.9	83.9	85.5	86.5	86.9	86.9	87.1	87.3	87.3	87.6	87.6	87.6	87.7	87.7	87.7	87.7
≥ 800	70.3	85.5	87.4	88.5	89.1	89.1	89.5	89.8	89.8	90.1	90.1	90.1	90.2	90.2	90.2	90.2
≥ 700	70.7	86.8	88.9	90.3	91.2	91.3	91.9	92.1	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 600	70.9	87.5	89.9	91.6	92.7	92.8	93.5	93.9	93.9	94.3	94.4	94.4	94.5	94.5	94.5	94.5
≥ 500	70.9	87.9	90.4	92.4	93.7	93.8	94.6	95.1	95.1	95.6	95.9	95.9	96.0	96.0	96.0	96.0
≥ 400	70.9	87.9	90.5	92.8	94.2	94.3	95.8	96.4	96.5	97.4	97.7	97.7	97.8	97.8	97.8	97.8
≥ 300	70.9	87.9	90.5	92.8	94.3	94.4	96.2	96.9	97.0	98.1	98.5	98.5	98.7	98.7	98.7	98.7
≥ 200	71.0	88.0	90.6	92.8	94.3	94.5	96.3	97.1	97.2	98.5	98.9	98.9	99.2	99.2	99.2	99.2
≥ 100	71.0	88.0	90.6	92.8	94.3	94.5	96.3	97.1	97.2	98.5	99.0	99.0	99.3	99.3	99.5	99.5
≥ 0	71.0	88.0	90.6	92.8	94.3	94.5	96.3	97.1	97.2	98.5	99.0	99.0	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1767

1210WS FORM JUL 64 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	37.1	38.8	39.1	39.4	39.5	39.5	39.7	39.7	39.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	53.5	56.1	56.4	56.6	56.8	56.8	57.0	57.0	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 18000	53.9	56.5	56.8	57.1	57.2	57.2	57.4	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 16000	54.0	56.7	57.0	57.3	57.4	57.4	57.7	57.7	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 14000	55.0	57.7	58.0	58.3	58.4	58.4	58.6	58.6	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 12000	56.3	59.1	59.4	59.8	60.0	60.0	60.2	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 10000	57.3	60.3	60.6	61.0	61.2	61.2	61.5	61.5	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 9000	57.8	60.8	61.1	61.5	61.7	61.7	61.9	61.9	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 8000	58.5	61.7	62.0	62.4	62.6	62.6	62.9	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	59.3	62.8	63.1	63.6	63.8	63.8	64.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 6000	60.3	64.1	64.3	64.8	65.0	65.0	65.3	65.3	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 5000	61.6	65.5	65.8	66.2	66.4	66.4	66.7	66.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 4500	61.9	65.9	66.2	66.6	66.8	66.8	67.1	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 4000	63.4	67.5	67.8	68.3	68.5	68.5	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 3500	65.2	69.5	69.8	70.3	70.5	70.5	70.7	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3000	67.9	72.6	73.0	73.5	73.7	73.7	74.0	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 2500	71.9	77.3	77.8	78.2	78.5	78.5	78.8	78.8	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 2000	76.6	83.1	83.6	84.2	84.5	84.5	84.9	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1800	77.2	84.0	84.5	85.2	85.6	85.6	86.0	86.1	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1500	78.8	86.4	87.0	87.7	88.1	88.1	88.6	88.6	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1200	80.1	88.5	89.2	90.2	90.6	90.6	91.1	91.1	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1000	80.8	90.4	91.5	92.4	93.0	93.0	93.6	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 900	81.0	90.9	92.1	93.1	93.8	93.8	94.4	94.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 800	81.2	91.6	92.8	93.8	94.6	94.6	95.5	95.5	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 700	81.3	92.0	93.2	94.5	95.3	95.4	96.4	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	81.3	92.2	93.4	94.7	95.7	95.8	96.9	97.1	97.1	97.5	97.5	97.5	97.6	97.6	97.6	97.6
≥ 500	81.3	92.2	93.5	95.0	96.3	96.4	97.6	97.8	97.8	98.2	98.3	98.3	98.4	98.4	98.4	98.4
≥ 400	81.3	92.4	93.8	95.2	96.5	96.7	98.0	98.3	98.4	98.9	98.9	98.9	99.0	99.0	99.0	99.0
≥ 300	81.3	92.4	93.8	95.3	96.7	96.8	98.1	98.5	98.5	99.3	99.4	99.4	99.5	99.5	99.5	99.5
≥ 200	81.3	92.4	93.8	95.3	96.7	96.8	98.1	98.5	98.5	99.3	99.5	99.5	99.8	99.8	99.9	99.9
≥ 100	81.3	92.4	93.8	95.3	96.7	96.8	98.1	98.5	98.5	99.3	99.5	99.5	99.8	99.8	100.0	100.0
≥ 0	81.3	92.4	93.8	95.3	96.7	96.8	98.1	98.5	98.5	99.3	99.5	99.5	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1767

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.1	42.0	42.1	42.2	42.5	42.6	42.6	42.7	42.7	42.9	43.0	43.0	43.0	43.0	43.0	43.0
≥ 20000	58.1	61.2	61.3	61.4	61.7	61.7	61.8	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 18000	58.3	61.5	61.5	61.6	61.9	62.0	62.0	62.1	62.1	62.3	62.4	62.4	62.4	62.4	62.4	62.4
≥ 16000	58.5	61.9	62.0	62.1	62.4	62.4	62.5	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 14000	59.7	63.2	63.2	63.3	63.6	63.7	63.7	63.8	63.8	64.0	64.1	64.1	64.1	64.1	64.1	64.1
≥ 12000	60.8	64.3	64.3	64.5	64.7	64.8	64.9	65.0	65.0	65.1	65.2	65.2	65.2	65.2	65.2	65.2
≥ 10000	62.5	66.1	66.2	66.3	66.6	66.7	66.7	66.8	66.8	67.0	67.1	67.1	67.1	67.1	67.1	67.1
≥ 9000	63.0	66.7	66.9	67.0	67.3	67.4	67.5	67.6	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8
≥ 8000	63.7	67.6	67.7	67.9	68.2	68.3	68.3	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 7000	64.3	68.4	68.5	68.6	69.0	69.0	69.1	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 6000	65.1	69.3	69.4	69.6	69.9	69.9	70.0	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 5000	66.5	71.0	71.2	71.5	71.8	71.9	71.9	72.0	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	67.2	71.9	72.0	72.3	72.7	72.7	72.8	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4000	69.6	74.4	74.5	74.8	75.2	75.3	75.3	75.4	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7
≥ 3500	71.6	77.1	77.3	77.6	78.0	78.0	78.2	78.3	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6
≥ 3000	74.8	80.8	81.0	81.3	81.8	81.8	81.9	82.1	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2500	78.1	84.6	84.9	85.3	85.9	85.9	86.0	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 2000	81.7	88.9	89.2	89.5	90.1	90.2	90.4	90.5	90.5	90.7	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1800	81.9	89.3	89.6	90.0	90.5	90.6	90.8	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1500	82.9	90.7	91.1	91.5	92.1	92.1	92.4	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1200	83.6	91.9	92.5	93.0	93.5	93.6	93.9	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000	83.8	92.7	93.4	94.0	94.7	94.7	95.2	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 900	83.8	92.8	93.4	94.2	95.0	95.0	95.5	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 800	83.9	93.0	93.8	94.6	95.4	95.5	96.2	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.6	96.6
≥ 700	84.0	93.1	94.0	94.8	95.6	95.7	96.5	96.9	96.9	97.1	97.1	97.1	97.2	97.2	97.2	97.2
≥ 600	84.0	93.4	94.3	95.4	96.4	96.4	97.4	97.7	97.7	98.0	98.0	98.0	98.2	98.2	98.2	98.2
≥ 500	84.0	93.7	94.6	95.7	96.7	96.8	98.1	98.4	98.4	98.7	98.8	98.8	98.9	98.9	99.0	99.0
≥ 400	84.1	93.7	94.7	95.8	96.8	96.9	98.1	98.6	98.6	98.9	98.9	98.9	99.2	99.2	99.2	99.2
≥ 300	84.2	93.8	94.8	96.0	97.1	97.2	98.5	99.0	99.0	99.3	99.3	99.4	99.7	99.7	99.8	99.8
≥ 200	84.2	93.8	94.8	96.0	97.1	97.2	98.5	99.0	99.0	99.3	99.3	99.4	99.7	99.7	99.8	99.8
≥ 100	84.2	93.8	94.8	96.0	97.1	97.2	98.5	99.0	99.0	99.3	99.3	99.4	99.7	99.7	99.9	100.0
≥ 0	84.2	93.8	94.8	96.0	97.1	97.2	98.5	99.0	99.0	99.3	99.3	99.4	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

1761

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.8	45.6	45.8	46.3	46.7	46.8	47.0	47.3	47.3	47.3	47.4	47.4	47.5	47.5	47.5	47.5
W 20000	61.2	64.6	65.0	65.6	66.1	66.2	66.4	66.6	66.6	66.7	66.7	66.7	66.9	66.9	66.9	66.9
W 18000	61.4	64.9	65.3	65.8	66.3	66.4	66.6	66.9	66.9	66.9	67.0	67.0	67.1	67.1	67.1	67.1
W 16000	61.6	65.3	65.7	66.2	66.7	66.8	67.0	67.3	67.3	67.3	67.4	67.4	67.5	67.5	67.5	67.5
W 14000	62.8	66.5	66.9	67.4	67.9	68.0	68.2	68.4	68.4	68.5	68.6	68.6	68.7	68.7	68.7	68.7
W 12000	63.8	67.8	68.2	68.9	69.3	69.5	69.7	69.9	69.9	70.0	70.0	70.0	70.1	70.1	70.1	70.1
W 10000	65.0	69.1	69.6	70.3	70.8	70.9	71.1	71.3	71.3	71.4	71.4	71.4	71.6	71.6	71.6	71.6
W 9000	65.6	69.7	70.2	70.9	71.4	71.5	71.7	72.0	72.0	72.0	72.1	72.1	72.2	72.2	72.2	72.2
W 8000	66.9	71.1	71.6	72.3	72.7	72.9	73.1	73.3	73.3	73.4	73.4	73.4	73.5	73.5	73.5	73.5
W 7000	67.3	71.6	72.1	72.8	73.3	73.4	73.6	73.8	73.8	73.9	73.9	73.9	74.1	74.1	74.1	74.1
W 6000	68.2	73.0	73.7	74.4	74.9	75.0	75.2	75.5	75.5	75.5	75.6	75.6	75.7	75.7	75.7	75.7
W 5000	70.0	75.4	76.0	76.8	77.3	77.5	77.7	78.0	78.0	78.0	78.1	78.1	78.2	78.2	78.2	78.2
W 4500	70.6	76.0	76.7	77.5	78.0	78.1	78.4	78.6	78.6	78.7	78.8	78.8	78.9	78.9	78.9	78.9
W 4000	72.4	78.2	78.9	79.8	80.3	80.4	80.7	80.9	80.9	81.0	81.0	81.0	81.1	81.1	81.1	81.1
W 3500	74.1	80.6	81.2	82.2	82.7	82.8	83.1	83.4	83.4	83.5	83.5	83.5	83.6	83.6	83.6	83.6
W 3000	76.0	83.2	83.9	84.9	85.4	85.6	85.8	86.1	86.1	86.2	86.2	86.2	86.3	86.3	86.3	86.3
W 2500	77.5	85.4	86.0	87.0	87.6	87.8	88.2	88.4	88.4	88.5	88.6	88.6	88.7	88.7	88.7	88.7
W 2000	80.0	88.3	89.0	90.0	90.6	90.7	91.2	91.4	91.4	91.5	91.6	91.6	91.7	91.7	91.7	91.7
W 1800	80.6	89.2	89.9	90.9	91.6	91.7	92.1	92.4	92.4	92.5	92.5	92.5	92.6	92.6	92.6	92.6
W 1500	81.4	90.7	91.4	92.5	93.3	93.4	93.8	94.1	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3
W 1200	82.2	91.8	92.6	93.9	94.6	94.7	95.2	95.5	95.5	95.5	95.6	95.6	95.7	95.7	95.7	95.7
W 1000	82.5	92.5	93.2	94.7	95.5	95.6	96.0	96.3	96.3	96.4	96.4	96.4	96.5	96.5	96.5	96.5
W 900	82.5	92.6	93.4	94.9	95.7	95.8	96.3	96.5	96.5	96.6	96.7	96.7	96.8	96.8	96.8	96.8
W 800	82.5	92.6	93.5	95.0	95.8	95.9	96.4	96.7	96.7	96.8	96.8	96.8	96.9	96.9	96.9	96.9
W 700	82.6	92.9	94.0	95.6	96.4	96.5	97.2	97.5	97.5	97.5	97.6	97.6	97.7	97.7	97.7	97.7
W 600	82.7	93.1	94.2	95.8	96.7	96.8	97.5	97.8	97.8	97.8	97.9	97.9	98.0	98.0	98.0	98.0
W 500	82.9	93.3	94.4	96.1	97.0	97.1	98.0	98.4	98.4	98.5	98.5	98.5	98.8	98.8	98.8	98.8
W 400	82.9	93.3	94.6	96.2	97.2	97.3	98.2	98.8	98.8	99.0	99.1	99.1	99.3	99.3	99.3	99.3
W 300	82.9	93.4	94.6	96.3	97.3	97.5	98.5	99.0	99.0	99.4	99.5	99.5	99.7	99.7	99.7	99.7
W 200	82.9	93.4	94.6	96.3	97.3	97.5	98.5	99.1	99.1	99.5	99.6	99.6	99.8	99.8	99.8	99.8
W 100	82.9	93.4	94.6	96.3	97.3	97.5	98.5	99.1	99.1	99.5	99.6	99.6	99.8	99.8	99.8	99.8
W 0	82.9	93.4	94.6	96.3	97.3	97.5	98.5	99.1	99.1	99.5	99.6	99.6	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

1765

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING - VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB

43-45, 49-64

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	47.7	51.3	51.8	52.4	52.7	52.8	53.0	53.0	53.0	53.3	53.4	53.4	53.4	53.4	53.5	53.5
≥ 20000	63.3	67.6	68.4	69.0	69.3	69.4	69.6	69.6	69.6	69.9	70.0	70.0	70.0	70.0	70.1	70.1
≥ 18000	63.4	67.8	68.6	69.2	69.4	69.6	69.8	69.8	69.8	70.1	70.2	70.2	70.2	70.2	70.2	70.3
≥ 16000	63.5	67.9	68.7	69.3	69.6	69.7	69.9	69.9	69.9	70.2	70.3	70.3	70.3	70.3	70.3	70.4
≥ 14000	64.3	68.9	69.7	70.2	70.5	70.6	70.9	70.9	70.9	71.1	71.3	71.3	71.3	71.3	71.3	71.4
≥ 12000	64.9	69.8	70.6	71.2	71.5	71.6	71.8	71.8	71.8	72.1	72.2	72.2	72.2	72.2	72.3	72.3
≥ 10000	65.5	70.7	71.6	72.2	72.5	72.6	72.8	72.8	72.8	73.1	73.2	73.2	73.2	73.2	73.3	73.3
≥ 9000	65.9	71.1	72.0	72.6	72.9	73.0	73.2	73.2	73.2	73.5	73.6	73.6	73.6	73.6	73.7	73.7
≥ 8000	66.7	72.0	73.0	73.6	73.9	74.0	74.2	74.2	74.2	74.5	74.6	74.6	74.6	74.6	74.6	74.7
≥ 7000	67.2	72.8	73.7	74.3	74.6	74.7	74.9	74.9	74.9	75.2	75.3	75.3	75.3	75.3	75.4	75.4
≥ 6000	67.9	73.9	74.8	75.4	75.7	75.8	76.0	76.0	76.0	76.3	76.4	76.4	76.4	76.4	76.5	76.5
≥ 5000	68.8	75.4	76.3	76.9	77.2	77.3	77.5	77.5	77.5	77.8	77.9	77.9	77.9	77.9	78.0	78.0
≥ 4500	69.7	76.4	77.4	77.9	78.2	78.3	78.6	78.6	78.6	78.8	78.9	78.9	78.9	78.9	79.0	79.1
≥ 4000	71.4	78.7	79.6	80.2	80.5	80.6	80.9	80.9	80.9	81.2	81.3	81.3	81.3	81.3	81.3	81.4
≥ 3500	72.3	79.6	80.6	81.2	81.5	81.6	81.8	81.8	81.8	82.1	82.2	82.2	82.2	82.2	82.3	82.3
≥ 3000	73.9	81.8	82.7	83.3	83.7	83.8	84.0	84.0	84.0	84.3	84.4	84.4	84.4	84.4	84.5	84.6
≥ 2500	76.1	84.8	85.7	86.3	86.7	86.8	87.0	87.0	87.0	87.3	87.4	87.4	87.4	87.4	87.5	87.5
≥ 2000	77.9	87.1	88.1	88.6	89.0	89.1	89.4	89.4	89.4	89.6	89.8	89.8	89.8	89.8	89.8	89.9
≥ 1800	78.7	88.1	89.1	89.7	90.2	90.3	90.6	90.6	90.6	90.9	91.0	91.0	91.0	91.0	91.1	91.1
≥ 1500	79.3	89.2	90.3	90.9	91.3	91.5	91.8	91.8	91.8	92.2	92.3	92.3	92.3	92.3	92.4	92.4
≥ 1200	81.3	92.1	93.2	93.8	94.2	94.3	94.8	94.8	94.8	95.2	95.3	95.3	95.3	95.3	95.4	95.4
≥ 1000	81.4	92.5	93.7	94.3	94.8	94.9	95.4	95.4	95.4	95.8	95.9	95.9	95.9	95.9	96.0	96.0
≥ 900	81.7	93.1	94.3	95.0	95.4	95.5	96.0	96.1	96.1	96.5	96.6	96.6	96.6	96.6	96.7	96.7
≥ 800	81.7	93.3	94.6	95.2	95.6	95.8	96.3	96.3	96.3	96.7	96.8	96.8	96.8	96.8	96.9	96.9
≥ 700	81.8	93.5	94.9	95.5	96.0	96.1	96.6	96.7	96.7	97.1	97.2	97.2	97.2	97.2	97.3	97.3
≥ 600	81.9	93.9	95.4	96.0	96.5	96.6	97.1	97.2	97.2	97.6	97.7	97.7	97.7	97.7	97.8	97.8
≥ 500	81.9	94.3	95.8	96.4	96.9	97.0	97.5	97.6	97.6	98.1	98.2	98.2	98.2	98.2	98.3	98.4
≥ 400	81.9	94.4	95.9	96.5	97.0	97.1	97.6	97.8	97.8	98.3	98.4	98.4	98.4	98.4	98.5	98.5
≥ 300	81.9	94.5	95.9	96.8	97.3	97.5	98.0	98.1	98.1	98.6	98.8	98.8	98.8	98.8	98.8	98.9
≥ 200	81.9	94.6	96.0	96.9	97.5	97.6	98.2	98.4	98.4	98.9	99.2	99.2	99.2	99.3	99.4	99.4
≥ 100	81.9	94.6	96.0	96.9	97.5	97.6	98.2	98.4	98.4	98.9	99.2	99.2	99.2	99.3	99.5	99.6
0	81.9	94.6	96.0	96.9	97.5	97.6	98.2	98.4	98.4	98.9	99.2	99.2	99.2	99.3	99.5	99.6

TOTAL NUMBER OF OBSERVATIONS

1767

1210WS FORM 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILE)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.6	42.7	42.8	42.9	43.0	43.0	43.2	43.2	43.2	43.3	43.4	43.4	43.5	43.5	43.5	43.5
≥ 20000	55.9	58.9	59.2	59.4	59.5	59.5	59.6	59.6	59.6	59.8	59.8	59.8	59.9	59.9	59.9	59.9
V 18000	56.0	59.0	59.4	59.5	59.6	59.6	59.8	59.8	59.8	59.9	59.9	59.9	60.0	60.0	60.0	60.0
V 16000	56.1	59.1	59.4	59.5	59.6	59.6	59.8	59.8	59.8	59.9	60.0	60.0	60.1	60.1	60.1	60.1
V 14000	57.0	60.2	60.6	60.7	60.8	60.8	61.0	61.0	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2
V 12000	58.4	61.8	62.1	62.2	62.3	62.3	62.5	62.5	62.5	62.6	62.7	62.7	62.7	62.7	62.7	62.7
V 10000	59.9	63.3	63.7	63.9	64.1	64.1	64.3	64.3	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5
V 9000	60.4	63.9	64.3	64.4	64.6	64.6	64.8	64.8	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.0
V 8000	61.2	64.8	65.2	65.3	65.6	65.6	65.7	65.7	65.7	65.8	65.9	65.9	66.0	66.0	66.0	66.0
V 7000	61.6	65.6	66.1	66.2	66.4	66.4	66.6	66.6	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8
V 6000	62.3	66.4	66.9	67.0	67.3	67.3	67.4	67.4	67.4	67.5	67.6	67.6	67.7	67.7	67.7	67.7
V 5000	63.0	67.5	68.1	68.2	68.8	68.8	68.9	68.9	68.9	69.1	69.1	69.1	69.2	69.2	69.2	69.2
V 4500	63.8	68.3	68.9	69.1	69.6	69.6	69.8	69.8	69.8	69.9	69.9	69.9	70.0	70.0	70.0	70.0
V 4000	65.1	69.8	70.5	70.6	71.2	71.2	71.3	71.3	71.3	71.5	71.5	71.5	71.6	71.6	71.6	71.6
V 3500	66.0	70.8	71.5	71.6	72.2	72.2	72.3	72.3	72.3	72.5	72.5	72.5	72.6	72.6	72.6	72.6
V 3000	67.0	72.3	73.0	73.2	73.7	73.7	73.9	73.9	73.9	74.0	74.1	74.1	74.2	74.2	74.2	74.2
V 2500	68.4	74.3	75.1	75.3	76.0	76.0	76.1	76.1	76.1	76.3	76.3	76.3	76.4	76.4	76.4	76.4
V 2000	72.9	79.6	80.5	80.7	81.4	81.4	81.6	81.6	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8
V 1800	75.2	82.2	83.1	83.3	84.0	84.0	84.2	84.2	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4
V 1500	78.6	86.1	87.0	87.3	88.0	88.0	88.2	88.2	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4
V 1200	81.1	89.5	90.4	90.7	91.4	91.4	91.6	91.6	91.6	91.8	91.8	91.8	91.9	91.9	91.9	91.9
V 1000	82.4	92.0	92.9	93.2	93.9	93.9	94.2	94.2	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4
V 900	82.9	93.3	94.2	94.5	95.2	95.2	95.4	95.4	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7
V 800	83.0	93.8	94.8	95.1	95.8	95.8	96.1	96.1	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4
V 700	83.2	94.3	95.3	95.7	96.4	96.4	96.7	96.7	96.7	97.0	97.0	97.0	97.1	97.1	97.1	97.1
V 600	83.5	95.0	96.0	96.5	97.3	97.3	97.5	97.5	97.5	97.8	97.8	97.8	97.9	97.9	97.9	97.9
V 500	83.5	95.1	96.3	97.0	97.7	97.7	98.1	98.1	98.1	98.3	98.4	98.4	98.5	98.5	98.5	98.5
V 400	83.7	95.4	96.7	97.4	98.1	98.1	98.5	98.5	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9
V 300	83.7	95.6	96.8	97.5	98.3	98.3	98.8	98.8	98.8	99.1	99.2	99.2	99.3	99.3	99.3	99.3
V 200	83.7	95.6	96.9	97.6	98.4	98.4	98.8	98.8	98.9	99.2	99.3	99.3	99.6	99.6	99.6	99.6
V 100	83.7	95.6	97.0	97.7	98.5	98.5	98.9	99.0	99.0	99.4	99.5	99.5	99.9	99.9	99.9	99.9
V 0	83.7	95.6	97.0	97.7	98.5	98.5	98.9	99.0	99.0	99.4	99.5	99.5	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1710

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

APR
MONTH

0300-0500
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	33.3	35.5	36.0	36.1	36.3	36.3	36.5	36.5	36.5	36.7	36.7	36.7	36.8	36.8	36.8	36.9
≥ 20000	43.7	47.5	48.1	48.3	48.6	48.6	48.8	48.8	48.8	48.9	49.0	49.0	49.1	49.1	49.1	49.2
≥ 18000	43.7	47.5	48.1	48.3	48.6	48.6	48.8	48.8	48.8	48.9	49.0	49.0	49.1	49.1	49.1	49.2
≥ 16000	43.6	47.7	48.2	48.4	48.7	48.7	48.9	48.9	48.9	49.1	49.1	49.1	49.2	49.2	49.2	49.3
≥ 14000	44.2	48.2	48.7	48.9	49.2	49.2	49.4	49.5	49.5	49.6	49.6	49.6	49.8	49.8	49.8	49.8
≥ 12000	45.7	50.0	50.5	50.8	51.1	51.1	51.2	51.3	51.3	51.4	51.5	51.5	51.6	51.6	51.6	51.6
≥ 10000	47.0	51.5	52.1	52.3	52.7	52.7	52.9	52.9	52.9	53.0	53.1	53.1	53.2	53.2	53.2	53.3
≥ 9000	47.4	52.0	52.6	52.9	53.2	53.2	53.4	53.5	53.5	53.6	53.6	53.6	53.7	53.7	53.7	53.8
≥ 8000	48.5	53.2	53.8	54.0	54.4	54.4	54.6	54.6	54.6	54.7	54.8	54.8	54.9	54.9	54.9	55.0
≥ 7000	49.1	53.9	54.4	54.7	55.1	55.1	55.3	55.3	55.3	55.4	55.5	55.5	55.6	55.6	55.6	55.7
≥ 6000	49.8	54.7	55.3	55.6	56.0	56.0	56.1	56.2	56.2	56.3	56.4	56.4	56.5	56.5	56.5	56.5
≥ 5000	50.9	56.0	56.6	56.8	57.3	57.3	57.4	57.5	57.5	57.6	57.7	57.7	57.8	57.8	57.8	57.8
≥ 4500	51.3	56.4	57.0	57.3	57.7	57.7	57.8	57.9	57.9	58.0	58.1	58.1	58.2	58.2	58.2	58.2
≥ 4000	51.9	57.3	58.0	58.2	58.6	58.6	58.8	58.8	58.8	58.9	59.0	59.0	59.1	59.1	59.1	59.2
≥ 3500	52.6	58.2	58.9	59.2	59.6	59.6	59.8	59.9	59.9	60.0	60.1	60.1	60.2	60.2	60.2	60.2
≥ 3000	54.3	60.2	60.9	61.2	61.6	61.6	61.8	61.8	61.8	61.9	62.0	62.0	62.1	62.1	62.1	62.2
≥ 2500	57.1	64.0	64.7	65.1	65.7	65.7	65.8	65.9	65.9	66.0	66.1	66.1	66.2	66.2	66.2	66.3
≥ 2000	61.6	69.7	70.4	70.8	71.3	71.3	71.5	71.6	71.6	71.8	71.8	71.8	71.9	71.9	71.9	72.0
≥ 1800	63.8	72.3	73.0	73.5	74.1	74.1	74.3	74.3	74.3	74.5	74.6	74.6	74.7	74.7	74.7	74.7
≥ 1500	68.1	77.6	78.3	78.8	79.4	79.4	79.6	79.6	79.6	79.8	79.9	79.9	80.0	80.0	80.0	80.1
≥ 1200	73.1	84.7	85.6	86.1	86.8	86.8	87.0	87.1	87.1	87.3	87.3	87.3	87.4	87.4	87.4	87.5
≥ 1000	74.9	88.0	89.1	89.7	90.5	90.5	90.7	90.8	90.8	90.9	91.0	91.0	91.1	91.1	91.1	91.2
≥ 900	75.3	89.1	90.2	90.8	91.6	91.6	91.8	91.9	91.9	92.1	92.2	92.2	92.3	92.3	92.3	92.3
≥ 800	75.8	90.2	91.5	92.2	93.2	93.2	93.4	93.5	93.5	93.7	93.7	93.7	93.9	93.9	93.9	93.9
≥ 700	76.2	90.9	92.3	93.0	94.0	94.0	94.3	94.3	94.3	94.6	94.6	94.6	94.7	94.7	94.7	94.8
≥ 600	76.3	91.2	92.7	93.4	94.6	94.6	94.9	94.9	94.9	95.1	95.2	95.2	95.3	95.3	95.3	95.4
≥ 500	76.4	92.0	93.8	94.5	96.0	96.0	96.3	96.3	96.3	96.5	96.6	96.6	96.7	96.7	96.7	96.8
≥ 400	76.4	92.4	94.3	95.0	96.5	96.5	97.0	97.3	97.3	97.7	97.7	97.7	97.8	97.8	97.8	97.9
≥ 300	76.4	92.7	94.6	95.4	96.9	96.9	97.4	97.7	97.7	98.2	98.2	98.2	98.4	98.4	98.4	98.5
≥ 200	76.4	92.7	94.6	95.5	97.1	97.1	97.7	98.0	98.0	98.5	98.5	98.5	98.7	98.7	98.7	98.8
≥ 100	76.4	92.7	94.6	95.6	97.3	97.3	97.9	98.2	98.2	98.8	98.8	98.8	99.2	99.2	99.5	99.6
≥ 0	76.4	92.7	94.6	95.6	97.3	97.3	97.9	98.2	98.2	98.8	98.8	98.9	99.3	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS

1710

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	25.7	28.3	29.0	29.4	29.7	29.8	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	30.1	30.1
≥ 20000	34.1	38.9	40.0	40.6	41.2	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.6	41.6
≥ 18000	34.2	39.0	40.1	40.6	41.3	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.6	41.7
≥ 16000	34.3	39.2	40.3	40.9	41.5	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.9	41.9
≥ 14000	35.0	39.9	41.0	41.6	42.2	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.6	42.6
≥ 12000	36.0	41.1	42.1	42.7	43.4	43.5	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.8	43.9
≥ 10000	37.1	42.5	43.7	44.3	45.1	45.2	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.6	45.6
≥ 9000	37.7	43.5	44.7	45.3	46.1	46.2	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.5	46.6
≥ 8000	38.7	44.4	45.7	46.4	47.1	47.3	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.7	47.7
≥ 7000	39.1	45.1	46.4	47.1	48.0	48.1	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.5	48.5
≥ 6000	40.3	46.6	47.9	48.6	49.4	49.5	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	50.0	50.1
≥ 5000	41.9	48.6	50.1	50.8	51.6	51.7	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.3
≥ 4500	42.1	48.9	50.4	51.1	51.9	52.0	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.5	52.6
≥ 4000	43.0	50.3	51.9	52.6	53.5	53.6	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.1	54.2
≥ 3500	43.9	51.3	52.9	53.6	54.5	54.6	54.9	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.1	55.2
≥ 3000	46.1	53.9	55.5	56.2	57.1	57.2	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.7	57.8
≥ 2500	49.2	57.5	59.2	59.9	60.8	60.9	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.5	61.5
≥ 2000	52.5	62.6	64.6	65.3	66.2	66.3	66.5	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.8	66.9
≥ 1800	54.0	64.4	66.4	67.1	68.1	68.2	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.8	68.8
≥ 1500	57.1	68.5	70.9	71.6	72.7	72.9	73.1	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.7	73.7
≥ 1200	60.8	74.2	77.0	78.1	79.4	79.5	79.7	79.9	79.9	80.2	80.2	80.2	80.2	80.2	80.4	80.4
≥ 1000	62.9	78.4	81.6	83.0	84.5	84.6	85.0	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.8	85.8
≥ 900	63.5	79.4	82.9	84.5	86.0	86.1	86.5	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.3	87.4
≥ 800	64.6	81.8	85.8	87.5	89.1	89.2	89.6	89.9	89.9	90.3	90.3	90.3	90.3	90.3	90.5	90.5
≥ 700	65.0	83.3	87.8	89.7	91.4	91.5	92.0	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.9	93.0
≥ 600	65.1	84.2	88.8	91.1	92.9	93.0	93.7	94.0	94.0	94.5	94.5	94.5	94.5	94.5	94.7	94.7
≥ 500	65.3	84.8	89.5	91.8	93.8	94.0	94.9	95.1	95.3	96.0	96.0	96.0	96.0	96.0	96.1	96.2
≥ 400	65.3	85.0	89.9	92.3	94.5	94.7	95.8	96.3	96.5	97.4	97.4	97.4	97.5	97.5	97.7	97.7
≥ 300	65.3	85.1	90.0	92.5	94.7	94.9	96.3	96.8	97.0	98.1	98.1	98.1	98.2	98.2	98.4	98.5
≥ 200	65.3	85.1	90.1	92.5	94.8	95.0	96.4	97.0	97.2	98.4	98.5	98.5	98.7	98.7	98.8	99.0
≥ 100	65.3	85.1	90.1	92.5	94.8	95.0	96.5	97.1	97.3	98.6	98.8	98.8	98.9	99.1	99.4	99.7
≥ 0	65.3	85.1	90.1	92.5	94.8	95.0	96.5	97.1	97.3	98.6	98.8	98.8	98.9	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

1710

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	28.5	30.4	30.5	30.5	30.6	30.6	30.6	30.7	30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.8
≥ 20000	41.5	45.2	45.6	45.6	45.8	45.8	45.8	45.9	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0
≥ 18000	41.5	45.2	45.6	45.6	45.8	45.8	45.8	45.9	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0
≥ 16000	41.5	45.2	45.6	45.6	45.8	45.8	45.8	45.9	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0
≥ 14000	41.9	45.6	46.0	46.0	46.3	46.3	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.4
≥ 12000	43.2	47.0	47.4	47.5	47.7	47.7	47.7	47.8	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9
≥ 10000	44.0	48.1	48.5	48.6	48.8	48.8	48.8	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0
≥ 9000	44.7	48.9	49.2	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8
≥ 8000	46.0	50.5	50.8	50.9	51.2	51.2	51.2	51.2	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3
≥ 7000	46.9	51.5	51.9	52.0	52.2	52.2	52.2	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4
≥ 6000	47.7	52.4	52.7	52.9	53.1	53.1	53.1	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3
≥ 5000	49.0	54.3	54.9	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4
≥ 4500	49.6	55.0	55.6	55.7	56.0	56.0	56.0	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2
≥ 4000	50.9	56.4	56.9	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5
≥ 3500	52.5	58.2	58.8	58.9	59.2	59.2	59.2	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4
≥ 3000	54.6	60.7	61.2	61.4	61.7	61.7	61.8	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0
≥ 2500	58.9	65.8	66.4	66.7	67.0	67.0	67.1	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3
≥ 2000	64.5	72.4	73.0	73.4	73.8	73.8	73.9	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1
≥ 1800	66.7	75.0	75.8	76.1	76.6	76.6	76.7	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9
≥ 1500	70.6	80.4	81.1	81.5	82.0	82.0	82.2	82.2	82.2	82.2	82.3	82.4	82.4	82.4	82.4	82.4
≥ 1200	74.2	86.0	86.9	87.4	87.9	87.9	88.1	88.1	88.1	88.2	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1000	75.6	89.1	90.2	90.9	91.5	91.5	91.7	91.8	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0
≥ 900	75.8	89.8	91.1	91.8	92.4	92.4	92.6	92.7	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0
≥ 800	76.3	90.5	92.1	92.9	93.6	93.6	94.0	94.0	94.0	94.3	94.4	94.4	94.4	94.4	94.4	94.4
≥ 700	76.4	91.4	93.0	94.2	95.1	95.2	95.6	95.6	95.6	95.8	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	76.5	91.8	93.6	94.9	95.9	96.1	96.5	96.7	96.7	96.9	97.1	97.1	97.1	97.1	97.1	97.1
≥ 500	76.7	92.2	94.2	95.6	96.7	97.0	97.8	98.1	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	76.7	92.5	94.4	95.9	97.1	97.4	98.2	98.7	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	76.7	92.5	94.4	96.0	97.3	97.6	98.5	98.9	99.0	99.4	99.6	99.6	99.8	99.8	99.8	99.8
≥ 200	76.7	92.5	94.4	96.0	97.3	97.6	98.5	99.0	99.1	99.5	99.8	99.8	99.9	99.9	99.9	99.9
≥ 100	76.7	92.5	94.4	96.0	97.3	97.6	98.5	99.0	99.1	99.5	99.8	99.8	99.9	99.9	99.9	99.9
≥ 0	76.7	92.5	94.4	96.0	97.3	97.6	98.5	99.0	99.1	99.5	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

1710

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

APR
MONTH

1200-1400
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	32.5	33.2	33.4	33.7	33.7	33.7	33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 20000	50.0	51.3	51.5	51.9	51.9	51.9	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 18000	50.2	51.5	51.6	52.0	52.1	52.1	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 16000	50.2	51.5	51.7	52.1	52.2	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 14000	51.0	52.3	52.5	52.9	52.9	52.9	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 12000	52.0	53.6	53.7	54.3	54.3	54.3	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 10000	53.5	55.1	55.3	55.8	55.9	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 9000	54.4	56.0	56.2	56.7	56.8	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 8000	55.3	56.9	57.1	57.6	57.7	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 7000	55.5	57.1	57.3	57.8	57.9	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 6000	56.5	58.3	58.5	59.0	59.1	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 5000	58.2	60.1	60.2	60.8	60.8	60.8	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 4500	59.4	61.3	61.5	62.0	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 4000	61.5	63.8	64.0	64.6	64.7	64.7	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 3500	64.5	67.1	67.4	68.0	68.2	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3000	69.8	73.0	73.3	73.9	74.0	74.0	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 2500	75.3	79.5	80.0	80.6	80.8	80.8	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 2000	80.5	85.6	86.1	86.7	87.0	87.0	87.1	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1800	81.6	87.2	87.8	88.5	88.7	88.8	88.9	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1500	83.6	90.0	90.7	91.4	91.7	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200	84.4	92.2	93.0	93.9	94.3	94.3	94.6	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1000	84.9	93.5	94.3	95.2	95.7	95.7	96.1	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 900	85.1	93.9	94.7	95.6	96.1	96.1	96.5	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	85.2	94.0	94.9	95.8	96.4	96.4	96.8	97.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	85.2	94.2	95.3	96.3	96.9	97.0	97.4	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 600	85.2	94.4	95.6	96.5	97.2	97.3	97.8	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	85.2	94.5	95.7	96.7	97.4	97.5	98.3	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	85.2	94.5	95.7	96.8	97.5	97.7	98.5	98.8	98.8	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	85.2	94.5	95.7	96.8	97.6	97.7	98.6	98.9	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	85.2	94.5	95.7	96.8	97.6	97.7	98.6	98.9	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	85.2	94.5	95.7	96.8	97.6	97.7	98.6	98.9	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	85.2	94.5	95.7	96.8	97.6	97.7	98.6	98.9	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1710

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	37.5	38.7	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 20000	59.5	61.1	61.3	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 18000	59.8	61.4	61.7	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 16000	59.9	61.5	61.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 14000	60.4	62.1	62.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 12000	61.6	63.4	63.7	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 10000	63.2	64.9	65.2	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 9000	64.4	66.2	66.5	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 8000	65.3	67.1	67.5	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 7000	65.6	67.6	68.0	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 6000	66.7	68.8	69.2	69.6	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 5000	68.9	71.4	71.9	72.3	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 4500	71.0	73.5	74.0	74.4	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 4000	73.7	76.7	77.1	77.6	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 3500	76.3	79.8	80.2	80.7	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3000	80.3	84.8	85.3	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 2500	83.3	88.3	88.9	89.4	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2000	85.0	90.7	91.5	91.9	92.0	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	85.4	91.3	92.2	92.7	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1500	86.0	92.2	93.2	93.7	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200	86.6	93.6	94.7	95.2	95.4	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	86.9	94.2	95.5	96.0	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 900	87.1	94.4	95.7	96.2	96.4	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	87.1	94.5	96.0	96.5	96.7	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 700	87.1	94.5	96.3	96.9	97.2	97.3	97.7	97.8	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	87.1	94.7	96.5	97.2	97.5	97.5	98.1	98.2	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	87.1	94.9	96.8	97.5	97.9	98.0	98.5	98.8	98.8	99.1	99.1	99.1	99.2	99.2	99.2	99.2
≥ 400	87.1	95.0	96.9	97.7	98.1	98.1	98.8	99.1	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 300	87.1	95.0	96.9	97.7	98.1	98.1	98.9	99.1	99.2	99.5	99.6	99.6	99.8	99.8	99.8	99.8
≥ 200	87.1	95.0	96.9	97.7	98.1	98.1	98.9	99.1	99.2	99.6	99.7	99.7	99.8	99.8	99.9	99.9
≥ 100	87.1	95.0	96.9	97.7	98.1	98.1	98.9	99.1	99.2	99.6	99.7	99.7	99.9	99.9	100.0	100.0
≥ 0	87.1	95.0	96.9	97.7	98.1	98.1	98.9	99.1	99.2	99.6	99.7	99.7	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1715

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	> 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	> 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	> 1/8	> 0
NO CEILING	43.0	44.9	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
20000	66.0	68.8	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
18000	66.4	69.2	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
16000	66.7	69.5	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
14000	67.6	70.5	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
12000	69.2	72.2	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
10000	71.3	74.6	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
9000	72.1	75.5	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
8000	73.1	76.5	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
7000	73.9	77.5	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
6000	75.0	78.8	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
5000	77.7	81.8	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
4500	78.5	82.9	83.3	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
4000	79.6	84.7	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
3500	80.4	85.6	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
3000	82.4	88.8	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
2500	83.5	90.4	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
2000	84.3	91.7	92.6	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
1800	84.4	92.0	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
1500	84.7	92.4	93.4	93.9	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
1200	85.1	93.3	94.4	95.0	95.1	95.1	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
1000	85.4	94.1	95.4	96.1	96.3	96.3	96.4	96.4	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6
900	85.5	94.3	95.6	96.3	96.5	96.5	96.7	96.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9
800	85.6	94.6	95.9	96.7	97.0	97.0	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
700	85.7	94.7	96.1	97.0	97.5	97.5	97.7	97.9	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2
600	85.8	94.9	96.3	97.2	97.9	97.9	98.1	98.2	98.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7
500	85.8	95.4	96.8	97.8	98.7	98.7	98.8	99.1	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5
400	85.8	95.4	96.9	97.9	98.7	98.8	98.9	99.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
300	85.8	95.4	96.9	97.9	98.7	98.8	98.9	99.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
200	85.8	95.4	96.9	97.9	98.7	98.8	98.9	99.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7
100	85.8	95.4	96.9	97.9	98.7	98.8	99.0	99.2	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8
0	85.8	95.4	96.9	97.9	98.7	98.8	99.0	99.2	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1710

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	47.5	49.6	49.6	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 20000	66.0	68.8	68.8	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 18000	66.1	68.8	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 16000	66.1	68.8	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 14000	67.1	70.2	70.2	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 12000	67.8	70.9	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 10000	69.8	73.2	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 9000	70.3	73.7	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 8000	71.5	75.0	75.1	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 7000	72.1	75.8	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 6000	73.2	77.1	77.5	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 5000	74.6	79.0	79.4	79.6	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 4500	75.2	79.8	80.2	80.5	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4000	76.5	81.5	81.9	82.2	82.3	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3500	77.1	82.2	82.6	82.9	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3000	78.9	84.3	84.7	85.0	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 2500	81.1	87.1	87.7	88.0	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2000	83.0	89.6	90.2	90.6	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	83.8	90.7	91.2	91.6	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	84.6	92.2	92.7	93.2	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1200	85.5	93.9	94.5	95.0	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000	85.8	94.8	95.4	95.9	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 900	85.9	95.0	95.8	96.3	96.5	96.6	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥ 800	86.1	95.4	96.3	96.7	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	86.5	96.0	96.8	97.3	97.8	97.9	98.1	98.1	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	86.5	96.2	97.1	97.6	98.2	98.3	98.5	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	86.5	96.4	97.3	97.9	98.7	98.8	99.0	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	86.8	96.8	97.7	98.3	99.2	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	86.8	96.8	97.7	98.3	99.2	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	86.8	96.8	97.7	98.4	99.4	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	86.8	96.8	97.7	98.4	99.4	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	86.8	96.8	97.7	98.4	99.4	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1710

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	47.3	48.7	48.7	48.8	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.2	49.3
≥ 20000	64.3	66.2	66.4	66.5	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.1
≥ 18000	64.3	66.2	66.5	66.6	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.1
≥ 16000	64.4	66.3	66.5	66.6	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.1	67.2
≥ 14000	65.5	67.5	67.8	67.9	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.5
≥ 12000	66.6	68.7	69.0	69.1	69.3	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6
≥ 10000	68.0	70.5	70.8	70.9	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.5
≥ 9000	68.7	71.5	71.9	72.0	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.5
≥ 8000	69.0	72.0	72.3	72.4	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9	73.0
≥ 7000	70.0	73.1	73.5	73.6	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1
≥ 6000	70.6	73.7	74.1	74.2	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7
≥ 5000	71.5	75.3	75.6	75.7	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.3
≥ 4500	71.7	75.6	75.9	76.0	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.6
≥ 4000	72.5	76.7	77.1	77.2	77.4	77.4	77.5	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8
≥ 3500	73.1	77.7	78.2	78.4	78.6	78.6	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0
≥ 3000	74.2	79.0	79.6	79.8	80.1	80.1	80.2	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5
≥ 2500	76.1	81.3	82.0	82.2	82.4	82.4	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.9
≥ 2000	78.9	84.7	85.4	85.6	86.0	86.0	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.4
≥ 1800	80.4	86.6	87.3	87.6	87.9	87.9	88.0	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3
≥ 1500	83.1	89.8	90.5	90.8	91.2	91.2	91.3	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.6
≥ 1200	84.9	92.6	93.4	93.8	94.2	94.2	94.3	94.3	94.3	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.7
≥ 1000	86.5	94.7	95.7	96.1	96.6	96.6	96.7	96.7	96.7	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.1
≥ 900	86.6	94.9	95.9	96.4	96.9	96.9	97.0	97.0	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.3	97.4
≥ 800	86.8	95.4	96.5	97.0	97.5	97.5	97.6	97.6	97.6	97.8	97.9	97.9	97.9	97.9	97.9	98.0	98.1
≥ 700	86.8	95.5	96.8	97.2	97.8	97.8	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.3
≥ 600	87.0	95.8	97.0	97.5	98.1	98.1	98.2	98.2	98.2	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6
≥ 500	87.0	96.1	97.5	98.0	98.6	98.6	98.7	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.2
≥ 400	87.1	96.2	97.6	98.1	98.7	98.7	98.9	99.0	99.0	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.6
≥ 300	87.1	96.3	97.7	98.2	98.8	98.8	99.0	99.1	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.6	99.7
≥ 200	87.1	96.3	97.8	98.3	98.9	98.9	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.8
≥ 100	87.1	96.3	97.8	98.3	98.9	98.9	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.7	99.7	99.8	99.9
≥ 0	87.1	96.3	97.8	98.3	98.9	98.9	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1817

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	34.3	37.1	37.5	37.8	37.8	37.8	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
IV 20000	47.4	51.5	52.0	52.4	52.5	52.5	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2
IV 18000	47.4	51.5	52.0	52.4	52.5	52.5	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2
IV 16000	47.4	51.5	52.0	52.4	52.5	52.5	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2
IV 14000	48.1	52.4	53.0	53.5	53.6	53.6	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.3
IV 12000	49.2	53.7	54.2	54.8	54.9	54.9	55.3	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6
IV 10000	50.3	55.1	55.7	56.3	56.4	56.4	56.9	57.0	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2
IV 9000	51.1	56.2	56.8	57.4	57.5	57.5	58.0	58.1	58.1	58.1	58.3	58.3	58.3	58.3	58.3	58.3
IV 8000	51.6	57.1	57.9	58.5	58.7	58.7	59.2	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5
IV 7000	52.1	57.8	58.6	59.2	59.4	59.4	59.9	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2
IV 6000	52.6	58.6	59.4	60.0	60.2	60.2	60.7	60.8	60.8	60.8	60.9	60.9	60.9	60.9	61.0	61.0
IV 5000	53.7	60.1	60.8	61.5	61.7	61.7	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.5	62.5
IV 4500	54.0	60.6	61.4	62.0	62.2	62.2	62.7	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0
IV 4000	55.0	61.7	62.5	63.1	63.3	63.3	63.8	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1
IV 3500	55.8	62.9	63.7	64.5	64.6	64.6	65.1	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.5	65.5
IV 3000	57.5	64.8	65.6	66.4	66.6	66.6	67.1	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.5	67.5
IV 2500	59.9	67.5	68.5	69.3	69.5	69.5	70.0	70.1	70.1	70.2	70.4	70.4	70.4	70.4	70.4	70.4
IV 2000	64.4	73.0	74.1	75.2	75.4	75.4	75.9	76.1	76.1	76.2	76.3	76.3	76.3	76.3	76.4	76.4
IV 1800	66.5	75.3	76.5	77.5	77.7	77.7	78.2	78.4	78.4	78.5	78.7	78.7	78.7	78.7	78.7	78.7
IV 1500	71.7	81.2	82.5	83.6	83.8	83.8	84.3	84.5	84.5	84.7	84.8	84.8	84.8	84.8	84.8	84.8
IV 1200	76.0	86.8	88.1	89.2	89.5	89.5	90.0	90.2	90.2	90.3	90.4	90.4	90.5	90.5	90.5	90.5
IV 1000	77.5	88.9	90.4	91.6	92.1	92.1	92.6	92.7	92.7	92.9	93.1	93.1	93.1	93.1	93.2	93.2
IV 900	77.9	89.5	91.2	92.4	92.8	92.9	93.4	93.6	93.6	93.7	93.9	93.9	93.9	93.9	94.0	94.0
IV 800	78.4	90.4	92.2	93.6	94.1	94.2	94.7	94.8	94.8	95.0	95.2	95.2	95.2	95.2	95.3	95.3
IV 700	78.6	90.5	92.5	93.8	94.6	94.6	95.1	95.3	95.3	95.4	95.6	95.6	95.7	95.7	95.8	95.8
IV 600	78.8	91.1	93.2	94.7	95.4	95.5	96.0	96.2	96.2	96.4	96.6	96.6	96.7	96.7	96.8	96.8
IV 500	78.9	91.3	93.6	95.1	96.0	96.0	96.6	97.0	97.0	97.2	97.4	97.4	97.5	97.5	97.6	97.6
IV 400	79.0	91.6	94.1	95.6	96.5	96.5	97.1	97.6	97.6	97.8	98.0	98.0	98.2	98.2	98.3	98.3
IV 300	79.1	91.7	94.2	95.8	96.7	96.8	97.5	98.0	98.0	98.2	98.5	98.5	98.6	98.6	98.7	98.7
IV 200	79.1	91.7	94.2	95.9	96.8	96.9	97.6	98.1	98.1	98.5	98.7	98.7	98.9	99.0	99.1	99.1
IV 100	79.1	91.7	94.2	95.9	96.9	96.9	97.7	98.2	98.2	98.6	98.8	98.8	99.1	99.2	99.4	99.4
IV 0	79.1	91.7	94.2	95.9	96.9	96.9	97.7	98.2	98.2	98.6	98.8	98.8	99.1	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

1818

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/2	≥ 1/2	≥ 5/16	≥ 1/4
NO CEILING	22.6	27.8	28.5	28.8	29.1	29.2	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
≥ 20000	33.7	42.0	43.2	43.7	44.1	44.2	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 18000	33.8	42.1	43.3	43.7	44.1	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.5
≥ 16000	33.8	42.1	43.3	43.7	44.1	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.5
≥ 14000	34.1	42.7	43.9	44.3	44.7	44.8	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.1
≥ 12000	34.9	44.0	45.3	45.7	46.1	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.5
≥ 10000	36.7	46.8	48.2	48.8	49.2	49.3	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.6
≥ 9000	37.2	47.6	49.1	49.7	50.1	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.5
≥ 8000	37.5	48.2	49.7	50.3	50.7	50.8	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 7000	38.6	49.3	50.8	51.4	51.8	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.2
≥ 6000	39.5	50.3	51.9	52.5	52.9	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 5000	40.5	51.6	53.1	53.7	54.1	54.2	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6
≥ 4500	40.9	52.3	53.8	54.4	54.8	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.2
≥ 4000	41.6	53.4	55.0	55.6	55.9	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
≥ 3500	42.1	54.1	55.6	56.2	56.6	56.7	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.1
≥ 3000	43.5	56.1	57.6	58.3	58.7	58.8	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.3
≥ 2500	45.9	59.4	61.2	61.9	62.3	62.4	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.9	63.0	63.0
≥ 2000	50.1	64.7	66.8	67.7	68.1	68.2	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.8	68.9	68.9
≥ 1800	51.8	66.7	68.8	69.7	70.1	70.2	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.9	71.0	71.0
≥ 1500	55.8	71.7	73.9	74.9	75.4	75.5	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.2	76.2	76.3
≥ 1200	59.7	78.3	81.0	82.1	82.7	82.8	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.5	83.6	83.6
≥ 1000	63.0	82.9	86.1	87.6	88.4	88.5	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.3	89.4	89.4
≥ 900	63.8	84.6	87.8	89.6	90.5	90.6	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.5	91.6	91.6
≥ 800	64.4	86.3	89.9	92.0	93.0	93.1	93.8	93.9	93.9	93.9	93.9	93.9	93.9	94.1	94.1	94.3
≥ 700	64.7	87.0	90.8	92.8	94.1	94.2	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.4	95.5	95.6
≥ 600	64.7	87.3	91.3	93.5	94.9	95.2	96.0	96.3	96.3	96.4	96.4	96.4	96.4	96.6	96.8	96.8
≥ 500	64.9	87.7	91.8	94.1	95.8	96.0	97.0	97.3	97.4	97.4	97.4	97.5	97.5	97.7	97.9	97.9
≥ 400	64.9	87.8	91.9	94.3	96.0	96.2	97.3	97.6	97.7	98.0	98.2	98.2	98.4	98.4	98.5	98.6
≥ 300	64.9	87.9	92.0	94.4	96.2	96.4	97.6	98.0	98.1	98.4	98.6	98.6	98.8	98.8	99.0	99.0
≥ 200	64.9	87.9	92.1	94.5	96.3	96.5	97.7	98.1	98.1	98.7	99.0	99.0	99.4	99.4	99.5	99.6
≥ 100	64.9	87.9	92.1	94.5	96.3	96.5	97.7	98.1	98.1	98.7	99.0	99.0	99.4	99.4	99.5	99.7
≥ 0	64.9	87.9	92.1	94.5	96.3	96.5	97.7	98.1	98.1	98.7	99.0	99.0	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1818

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	31.5	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 20000	45.7	48.1	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 18000	45.7	48.1	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 16000	45.7	48.1	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 14000	47.1	49.8	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 12000	48.3	51.2	51.4	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 10000	50.3	54.1	54.3	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 9000	50.7	54.5	54.7	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 8000	51.3	55.1	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 7000	51.9	55.9	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 6000	52.9	56.9	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 5000	53.7	58.1	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 4500	54.1	58.7	59.0	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 4000	55.1	60.1	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 3500	56.3	61.4	61.7	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 3000	60.9	66.6	66.8	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 2500	66.1	72.6	72.9	73.3	73.5	73.5	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7
≥ 2000	72.3	79.9	80.3	80.6	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1800	73.5	81.5	81.9	82.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9
≥ 1500	77.2	86.4	87.0	87.5	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1
≥ 1200	79.8	90.4	91.1	91.6	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000	81.1	92.8	93.8	94.7	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5
≥ 900	81.4	93.5	94.7	95.6	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6
≥ 800	81.6	94.2	95.4	96.4	97.2	97.2	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700	81.7	94.4	95.8	97.0	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1
≥ 600	81.7	94.6	96.0	97.2	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5
≥ 500	81.7	94.9	96.4	97.6	98.6	98.6	99.0	99.0	99.0	99.0	99.1	99.3	99.3	99.3	99.3	99.3
≥ 400	81.7	94.9	96.4	97.8	98.8	98.9	99.3	99.3	99.3	99.3	99.4	99.7	99.7	99.8	99.8	99.8
≥ 300	81.7	94.9	96.4	97.8	98.8	98.9	99.3	99.3	99.3	99.3	99.4	99.7	99.7	99.8	99.8	99.8
≥ 200	81.7	94.9	96.4	97.8	98.9	99.0	99.3	99.4	99.4	99.4	99.6	99.8	99.8	99.9	99.9	99.9
≥ 100	81.7	94.9	96.4	97.8	98.9	99.0	99.3	99.4	99.4	99.4	99.6	99.8	99.8	99.9	99.9	99.9
≥ 0	81.7	94.9	96.4	97.8	98.9	99.0	99.3	99.4	99.4	99.4	99.6	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1818

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

MAY
MONTH

1200-1400
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.8	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 20000	54.8	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000	54.8	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 16000	54.8	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000	56.2	57.5	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 12000	58.1	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 10000	59.6	61.2	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 9000	60.0	61.6	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 8000	60.6	62.3	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 7000	61.1	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 6000	61.7	63.4	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 5000	63.5	65.5	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4500	65.1	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 4000	68.8	71.0	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3500	72.7	75.4	75.7	75.9	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3000	78.6	81.8	82.2	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500	83.3	87.3	87.8	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2000	86.4	91.4	91.9	92.2	92.6	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1800	87.4	92.5	93.1	93.4	93.8	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500	88.5	94.0	94.7	95.0	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7
≥ 1200	89.3	95.4	96.1	96.4	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1
≥ 1000	89.5	95.8	96.6	96.9	97.4	97.4	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900	89.6	96.0	96.9	97.2	97.7	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0
≥ 800	89.7	96.3	97.1	97.5	98.1	98.1	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	89.9	96.8	97.6	97.9	98.6	98.6	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	89.9	96.8	97.6	98.0	98.7	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
≥ 500	89.9	96.9	97.8	98.2	99.0	99.0	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥ 400	89.9	96.9	97.8	98.4	99.1	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 300	90.0	97.0	97.9	98.4	99.2	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	90.0	97.0	97.9	98.5	99.2	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	90.0	97.0	97.9	98.5	99.2	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	90.0	97.0	97.9	98.5	99.2	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1821

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.1	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 20000	62.9	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 18000	63.1	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 16000	63.2	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 14000	64.9	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 12000	67.3	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 10000	69.6	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 9000	70.1	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 8000	71.2	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 7000	71.6	73.5	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 6000	72.1	74.0	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 5000	74.8	77.0	77.3	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 4500	76.4	78.8	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.3	79.3	79.3
≥ 4000	80.7	83.5	83.7	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.2
≥ 3500	83.4	86.5	86.8	86.9	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.2
≥ 3000	86.2	89.5	89.7	89.8	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2
≥ 2500	88.5	92.1	92.4	92.6	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2000	89.5	93.3	93.6	93.8	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5
≥ 1800	90.2	94.2	94.5	94.7	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1500	90.7	94.9	95.2	95.5	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4
≥ 1200	91.2	95.9	96.4	96.7	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7
≥ 1000	91.4	96.2	96.8	97.1	97.7	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	91.4	96.3	96.9	97.4	98.0	98.0	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.4	98.4	98.4
≥ 800	91.7	96.7	97.3	97.8	98.4	98.5	98.8	98.8	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0
≥ 700	91.8	96.8	97.5	98.0	98.7	98.7	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	91.8	96.9	97.6	98.2	98.8	98.9	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.5	99.5	99.5
≥ 500	91.8	97.0	97.7	98.4	99.1	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 400	91.8	97.1	97.9	98.6	99.3	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	91.8	97.1	97.9	98.6	99.3	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	91.8	97.1	97.9	98.6	99.3	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	91.8	97.1	97.9	98.6	99.3	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	91.8	97.1	97.9	98.6	99.3	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1821

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	47.1	47.9	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 20000	73.8	75.5	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
W 18000	73.8	75.6	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
W 16000	73.9	75.7	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
W 14000	75.1	76.9	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
W 12000	76.8	78.9	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
W 10000	78.1	80.5	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
W 9000	78.4	80.7	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
W 8000	79.2	81.7	81.9	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
W 7000	80.6	83.1	83.3	83.5	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
W 6000	80.9	83.7	84.0	84.2	84.2	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
W 5000	82.3	85.3	85.7	85.9	86.0	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
W 4500	83.2	86.4	86.8	87.0	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
W 4000	85.3	89.0	89.4	89.6	89.9	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
W 3500	86.2	90.2	90.6	90.8	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
W 3000	88.1	92.3	92.8	93.0	93.3	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
W 2500	88.9	93.5	93.9	94.1	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
W 2000	89.8	94.7	95.2	95.4	96.0	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
W 1800	90.0	95.0	95.5	95.8	96.3	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
W 1500	90.2	95.4	96.0	96.3	96.3	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
W 1200	90.3	95.7	96.3	96.7	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
W 1000	90.7	96.3	97.1	97.5	98.1	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
W 900	90.7	96.5	97.3	97.7	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
W 800	90.8	96.7	97.5	97.9	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
W 700	90.8	96.7	97.6	98.1	98.7	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
W 600	90.8	96.8	97.7	98.2	98.8	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
W 500	90.8	96.9	97.9	98.4	99.0	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5
W 400	90.8	97.1	98.1	98.6	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
W 300	90.8	97.1	98.1	98.6	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
W 200	90.8	97.1	98.1	98.6	99.3	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
W 100	90.8	97.1	98.1	98.6	99.3	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9
W 0	90.8	97.1	98.1	98.6	99.3	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

1821

1210WS FORM 0-14-5 (Det 50) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.7	51.9	51.9	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 20000	73.7	75.9	75.9	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 18000	73.7	75.9	75.9	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 16000	73.7	75.9	75.9	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 14000	74.6	76.9	76.9	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 12000	76.1	78.5	78.6	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 10000	77.5	80.1	80.1	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 9000	78.0	80.8	80.8	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3
IV 8000	79.1	82.2	82.3	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.7
IV 7000	80.0	83.4	83.4	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 6000	80.6	84.3	84.4	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 5000	82.0	86.0	86.2	86.5	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8	86.8
IV 4500	82.5	86.5	86.8	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.4	87.4
IV 4000	83.8	88.3	88.6	89.0	89.1	89.1	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 3500	84.8	89.7	90.0	90.3	90.4	90.4	90.5	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 3000	85.9	90.9	91.3	91.6	91.8	91.8	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2500	86.8	92.4	92.8	93.1	93.2	93.2	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.6	93.6
IV 2000	88.2	94.5	94.8	95.2	95.3	95.3	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.6	95.6
IV 1800	88.4	94.7	95.1	95.4	95.5	95.5	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1500	88.7	95.2	95.7	96.0	96.1	96.1	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 1200	89.1	96.0	96.4	96.9	97.0	97.0	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.4	97.4
IV 1000	89.6	96.6	97.0	97.5	97.6	97.6	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 900	89.7	96.8	97.3	97.7	97.9	97.9	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 800	89.8	97.0	97.4	98.0	98.1	98.1	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 700	89.9	97.3	97.7	98.2	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 600	90.0	97.5	97.9	98.6	98.8	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2
IV 500	90.0	97.5	97.9	98.6	98.8	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2
IV 400	90.0	97.5	97.9	98.6	99.2	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7
IV 300	90.0	97.5	98.0	98.7	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8
IV 200	90.0	97.5	98.0	98.7	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8
IV 100	90.0	97.5	98.0	98.7	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8
IV 0	90.0	97.5	98.0	98.7	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

1820

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	58.1	59.4	59.5	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 20000	77.9	79.4	79.6	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 18000	77.9	79.4	79.6	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 16000	78.0	79.7	79.8	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 14000	79.4	81.3	81.4	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 12000	81.5	83.5	83.7	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 10000	83.2	85.3	85.5	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 9000	83.7	85.8	86.0	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 8000	84.2	86.3	86.5	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 7000	84.9	87.1	87.3	87.5	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 6000	85.4	87.7	87.8	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 5000	86.3	88.7	88.9	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 4500	86.4	88.9	89.0	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 4000	87.0	89.6	89.8	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3500	87.1	89.8	89.9	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000	87.5	90.2	90.4	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2500	88.7	91.4	91.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2000	90.0	92.9	93.3	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1800	90.4	93.4	93.8	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1500	92.0	95.1	95.6	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	92.9	96.1	96.6	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	93.3	96.6	97.1	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 900	93.7	97.0	97.5	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	94.0	97.3	97.8	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	94.2	97.6	98.1	98.7	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	94.2	97.6	98.2	98.8	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	94.4	97.9	98.5	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	94.4	98.0	98.6	99.3	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	94.4	98.1	98.7	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	94.4	98.1	98.7	99.4	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	94.4	98.2	98.9	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.4	98.2	98.9	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1799

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	48.0	49.8	49.9	50.2	50.2	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7
≥ 20000	62.4	64.8	65.1	65.4	65.4	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9
≥ 18000	62.4	64.8	65.1	65.4	65.4	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9
≥ 16000	62.5	64.9	65.1	65.5	65.5	65.5	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0
≥ 14000	63.4	65.9	66.1	66.5	66.5	66.5	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.1
≥ 12000	66.0	68.7	68.9	69.3	69.3	69.3	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.9
≥ 10000	67.0	70.1	70.3	70.8	70.8	70.8	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3	71.3
≥ 9000	67.7	70.8	71.1	71.5	71.5	71.5	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0	72.1
≥ 8000	68.5	71.7	71.9	72.3	72.3	72.3	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.9
≥ 7000	69.2	72.3	72.6	73.0	73.0	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.6
≥ 6000	69.6	72.8	73.0	73.4	73.4	73.4	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	74.0
≥ 5000	70.2	73.8	74.0	74.4	74.4	74.4	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	75.0
≥ 4500	70.6	74.2	74.4	74.8	74.8	74.8	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.4
≥ 4000	71.0	74.6	74.8	75.3	75.3	75.3	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8
≥ 3500	71.3	75.0	75.3	75.7	75.7	75.7	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.3
≥ 3000	72.7	76.4	76.7	77.2	77.2	77.2	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7
≥ 2500	74.2	78.2	78.4	78.9	79.0	79.0	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.6
≥ 2000	76.6	80.9	81.3	81.8	81.9	81.9	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.5
≥ 1900	77.9	82.3	82.8	83.3	83.3	83.3	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9	83.9
≥ 1500	81.4	86.3	86.8	87.5	87.6	87.6	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.3
≥ 1200	84.7	90.2	90.8	91.5	91.6	91.6	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.3
≥ 1000	86.2	91.9	92.6	93.4	93.6	93.6	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3
≥ 900	87.2	93.3	93.9	94.8	94.9	94.9	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7
≥ 800	88.1	94.3	94.9	95.8	96.1	96.1	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8
≥ 700	88.4	94.7	95.3	96.2	96.4	96.4	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.3
≥ 600	89.0	95.3	96.1	97.1	97.3	97.3	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.2	98.2
≥ 500	89.2	95.8	96.6	97.7	97.9	97.9	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 400	89.2	95.9	96.8	98.0	98.3	98.3	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4
≥ 300	89.2	96.1	96.9	98.2	98.6	98.6	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7
≥ 200	89.3	96.1	97.0	98.3	98.6	98.6	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8
≥ 100	89.3	96.1	97.0	98.3	98.6	98.6	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 0	89.3	96.1	97.0	98.3	98.6	98.6	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

1800

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

BILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	33.6	38.3	38.7	39.2	39.3	39.3	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 20000	46.4	52.8	53.4	54.2	54.2	54.3	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 18000	46.4	52.8	53.4	54.2	54.2	54.3	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 16000	46.7	53.1	53.7	54.4	54.5	54.6	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 14000	47.4	54.0	54.7	55.4	55.5	55.5	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	49.8	56.5	57.2	57.9	58.0	58.0	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 10000	51.6	58.3	59.0	59.7	59.8	59.8	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 9000	51.9	58.7	59.4	60.1	60.2	60.2	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 8000	52.9	59.8	60.5	61.2	61.2	61.3	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 7000	53.5	60.3	61.1	61.8	61.8	61.9	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 6000	53.8	60.7	61.4	62.1	62.2	62.2	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 5000	54.8	61.8	62.5	63.3	63.4	63.5	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 4500	55.1	62.2	63.0	63.8	63.9	64.0	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 4000	55.6	62.7	63.4	64.2	64.3	64.4	64.8	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 3500	56.2	63.4	64.1	65.0	65.1	65.1	65.6	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 3000	57.0	64.2	64.9	65.7	65.9	65.9	66.4	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 2500	58.8	66.4	67.1	67.9	68.0	68.1	68.5	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8
≥ 2000	61.1	69.0	69.7	70.6	70.8	70.9	71.3	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 1800	63.0	70.9	71.7	72.7	72.9	72.9	73.4	73.5	73.5	73.6	73.6	73.6	73.7	73.7	73.7	73.7
≥ 1500	67.9	76.8	77.9	78.9	79.1	79.2	79.6	79.8	79.8	79.9	79.9	79.9	80.0	80.0	80.0	80.0
≥ 1200	72.8	82.4	83.7	84.9	85.3	85.4	85.9	86.0	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1000	77.7	88.5	89.8	91.0	91.5	91.6	92.2	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 900	78.8	89.9	91.3	92.5	93.1	93.2	93.8	94.0	94.0	94.1	94.1	94.1	94.2	94.2	94.2	94.2
≥ 800	80.0	91.7	93.0	94.4	95.0	95.1	95.7	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 700	80.4	92.2	93.8	95.2	95.9	96.0	96.7	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 600	80.5	92.7	94.4	95.8	96.8	96.8	97.5	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	80.9	93.3	95.2	96.7	97.7	97.7	98.4	98.6	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	80.9	93.5	95.4	97.0	98.1	98.2	98.9	99.1	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 300	80.9	93.7	95.6	97.2	98.3	98.4	99.1	99.3	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 200	80.9	93.7	95.7	97.3	98.4	98.5	99.2	99.4	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	80.9	93.7	95.7	97.3	98.4	98.5	99.2	99.4	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	80.9	93.7	95.7	97.3	98.4	98.5	99.2	99.4	99.5	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1798

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	38.8	40.0	40.3	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 20000	52.6	54.2	54.5	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 18000	52.6	54.2	54.5	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000	52.9	54.5	54.8	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 14000	54.1	55.8	56.1	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 12000	56.4	58.3	58.6	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 10000	58.3	60.4	60.7	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 9000	58.5	60.5	60.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 8000	59.4	61.4	61.8	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 7000	59.8	61.8	62.1	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 6000	60.0	62.2	62.5	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 5000	60.8	63.1	63.5	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 4500	60.9	63.3	63.6	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 4000	62.5	64.8	65.2	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 3500	64.8	67.2	67.6	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 3000	69.0	71.6	72.0	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 2500	75.7	78.7	79.3	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2000	81.3	85.0	85.6	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1800	84.2	88.0	88.8	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1500	87.8	92.1	92.9	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1200	90.3	95.3	96.3	96.5	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1000	91.3	96.4	97.4	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	91.4	96.7	97.7	97.9	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	91.6	97.1	98.2	98.4	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	91.7	97.3	98.4	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	91.8	97.4	98.6	98.9	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	91.8	97.5	98.8	99.2	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	91.8	97.5	98.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 300	91.8	97.5	98.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	91.8	97.5	98.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	91.8	97.5	98.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	91.8	97.5	98.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1799

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	41.7	42.2	42.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 20000	58.5	59.2	59.3	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 18000	58.6	59.3	59.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 16000	58.7	59.4	59.4	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 14000	59.9	60.6	60.6	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000	62.7	63.7	63.8	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 10000	63.8	64.9	64.9	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 9000	64.1	65.1	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 8000	64.4	65.5	65.5	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 7000	64.8	65.8	65.9	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 6000	65.4	66.5	66.5	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 5000	67.4	68.7	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 4500	69.9	71.2	71.3	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4000	77.3	78.6	78.7	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 3500	83.2	85.0	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3000	88.6	90.6	90.7	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 2500	91.8	94.2	94.4	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2000	93.5	96.2	96.4	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1800	93.9	96.7	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	94.4	97.4	97.7	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	94.7	97.8	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	94.8	97.9	98.4	98.7	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	94.9	98.0	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	95.1	98.3	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	95.1	98.4	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	95.3	98.7	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	95.3	98.7	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	95.3	98.7	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	95.3	98.7	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	95.3	98.7	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	95.3	98.7	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	95.3	98.7	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

1799

1210WS

FORM
JUL 64

0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.0	50.8	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 20000	73.1	74.3	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 18000	73.1	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 16000	73.4	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 14000	74.4	75.7	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 12000	77.0	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 10000	78.1	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 9000	78.5	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 8000	79.2	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 7000	79.6	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 6000	80.1	81.9	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 5000	82.1	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 4500	84.8	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000	88.5	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 3500	91.1	93.5	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 3000	92.8	95.6	95.6	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2500	93.9	96.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2000	94.5	97.4	97.4	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1800	94.6	97.6	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	94.8	97.8	97.9	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	94.9	97.9	98.0	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	95.1	98.3	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	95.1	98.3	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	95.3	98.7	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	95.6	99.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	95.6	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	95.6	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	95.6	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	95.6	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	95.6	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	95.6	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	95.6	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1800

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
∞ CEILING	56.0	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
∞ 20000	81.8	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
∞ 18000	81.8	83.6	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
∞ 16000	81.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
∞ 14000	83.0	84.8	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
∞ 12000	86.1	87.9	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
∞ 10000	87.5	89.3	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
∞ 9000	87.7	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
∞ 8000	88.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
∞ 7000	89.0	91.0	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
∞ 6000	89.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
∞ 5000	90.1	92.2	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
∞ 4500	90.4	92.6	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
∞ 4000	91.8	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
∞ 3500	92.5	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
∞ 3000	93.2	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
∞ 2500	93.8	96.3	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
∞ 2000	94.1	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
∞ 1800	94.2	96.9	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
∞ 1500	94.4	97.3	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3
∞ 1200	94.7	97.7	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8
∞ 1000	94.8	97.9	98.8	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
∞ 900	95.0	98.1	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3
∞ 800	95.2	98.3	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6
∞ 700	95.2	98.5	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
∞ 600	95.2	98.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
∞ 500	95.2	98.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
∞ 400	95.2	98.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
∞ 300	95.2	98.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
∞ 200	95.2	98.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
∞ 100	95.2	98.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
∞ 0	95.2	98.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1798

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/3	≥ 5/16	≥ 1/4	≥ 0
NO CEILING ≥ 20000	61.2 84.1	62.8 86.0	62.8 86.0	62.9 86.1	62.9 86.1	62.9 86.1	62.9 86.1	62.9 86.1	62.9 86.1	62.9 86.1	62.9 86.1	62.9 86.1	62.9 86.1	62.9 86.1	62.9 86.1	62.9 86.1
≥ 18000	84.1	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 16000	84.3	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 14000	85.1	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 12000	87.4	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 10000	88.6	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 9000	89.0	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 8000	89.5	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 7000	89.9	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 6000	90.5	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 5000	91.4	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 4500	91.8	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 4000	92.7	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 3500	92.9	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 3000	93.5	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2500	93.8	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2000	94.2	97.6	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1800	94.4	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500	94.5	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	94.5	98.1	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	94.7	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	94.9	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	95.0	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	95.0	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	95.1	98.9	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	95.1	99.2	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	95.1	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	95.1	99.3	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	95.1	99.3	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	95.1	99.3	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	95.1	99.3	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1797

1210WS FORM 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	67.7	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 20000	88.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 18000	88.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 16000	88.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 14000	89.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 12000	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 10000	92.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 9000	93.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 8000	94.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 7000	94.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 6000	94.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 5000	95.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 4500	95.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 4000	95.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 3500	95.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 3000	95.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2500	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	96.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1800	96.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500	97.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	97.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	97.8	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	98.0	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	98.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	98.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1859

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,49-64

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	60.5	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.6
≥ 20000	77.9	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1
≥ 18000	78.0	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2
≥ 16000	78.2	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 14000	79.8	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 12000	82.0	84.2	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 10000	84.0	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7
≥ 9000	84.3	86.6	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 8000	85.4	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.2	88.2
≥ 7000	85.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.5	88.5
≥ 6000	86.0	88.4	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 5000	86.4	88.9	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.4
≥ 4500	86.6	89.1	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 4000	86.8	89.5	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 3500	86.9	89.6	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	87.4	90.0	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 2500	87.7	90.4	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0
≥ 2000	88.9	91.8	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4
≥ 1800	89.4	92.3	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0
≥ 1500	91.1	94.1	94.7	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.1	95.1
≥ 1200	92.2	95.6	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6
≥ 1000	93.1	96.8	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8
≥ 900	93.3	97.1	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	93.6	97.6	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	93.9	98.0	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
≥ 600	94.0	98.2	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	94.2	98.4	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7
≥ 400	94.2	98.5	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 300	94.2	98.5	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 200	94.2	98.5	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 100	94.2	98.5	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 0	94.2	98.5	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

1859

1210WS FORM 0-14-5 (Det 50) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.5	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000	64.0	69.4	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 18000	64.0	69.4	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 16000	64.4	69.7	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 14000	65.7	71.5	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 12000	69.4	75.2	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 10000	71.3	77.4	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 9000	71.7	77.8	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 8000	72.8	79.2	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 7000	73.3	79.7	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 6000	73.4	79.9	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 5000	73.8	80.5	81.3	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 4500	74.2	80.9	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4000	74.4	81.2	81.9	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3500	74.7	81.6	82.3	82.5	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3000	75.2	82.0	82.8	83.0	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	75.4	82.4	83.2	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2000	76.8	84.0	84.8	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1800	77.5	84.7	85.5	85.8	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1500	79.9	87.4	88.3	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1200	82.4	90.2	91.2	91.5	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8
≥ 1000	84.7	92.8	94.0	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6
≥ 900	85.3	93.7	94.9	95.2	95.4	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 800	86.3	94.8	96.0	96.4	96.6	96.6	96.6	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	87.1	95.7	96.9	97.4	97.7	97.7	97.7	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	87.6	96.4	97.7	98.2	98.5	98.5	98.6	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	87.8	96.9	98.2	98.7	99.1	99.1	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	87.9	97.1	98.4	98.9	99.3	99.3	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	87.9	97.1	98.5	99.0	99.4	99.4	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	87.9	97.1	98.5	99.0	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	87.9	97.1	98.5	99.0	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	87.9	97.1	98.5	99.0	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1860

1210WS FORM JUL 64 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L S T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.4	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 20000	66.7	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 18000	67.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 16000	67.7	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 14000	69.1	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 12000	72.6	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 10000	74.9	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 9000	75.0	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 8000	76.0	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 7000	76.1	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 6000	76.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000	76.9	79.0	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 4500	77.4	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 4000	78.4	80.7	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3500	80.1	82.4	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3000	82.9	85.3	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500	86.4	88.8	89.3	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 2000	88.9	91.5	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	90.5	93.2	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500	92.6	95.4	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	94.4	97.4	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	94.6	97.8	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	94.8	98.1	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	94.9	98.3	98.9	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	94.9	98.3	98.9	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	94.9	98.3	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	94.9	98.3	99.0	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 400	94.9	98.3	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
≥ 300	94.9	98.3	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	94.9	98.3	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	94.9	98.3	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	94.9	98.3	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1860

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 20000	68.6	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 18000	68.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 16000	69.1	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 14000	70.1	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 12000	72.7	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 10000	73.8	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 9000	74.0	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 8000	74.7	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 7000	74.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 6000	75.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 5000	79.1	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 4500	81.3	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 4000	87.0	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 3500	90.1	91.9	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 3000	93.2	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 2500	94.7	96.6	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 2000	95.9	97.8	98.0	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1800	96.0	98.0	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1500	96.3	98.4	98.5	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1200	96.6	98.7	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	96.7	98.9	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	96.7	98.9	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	96.7	98.9	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	96.7	98.9	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	96.7	98.9	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	96.8	99.0	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 400	96.8	99.0	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 300	96.8	99.0	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 200	96.8	99.0	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 100	96.8	99.0	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
IV 0	96.8	99.0	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

1210WS FORM 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 20000	75.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9
≥ 18000	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 16000	76.0	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 14000	77.8	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 12000	81.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 10000	83.5	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 9000	83.9	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 8000	84.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 7000	85.0	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 6000	87.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 5000	90.3	91.3	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 4500	91.3	92.5	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 4000	94.3	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3500	95.1	96.7	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 3000	96.0	97.7	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2500	96.4	98.1	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2000	96.9	98.6	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1800	97.2	99.0	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1500	97.4	99.1	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	97.4	99.2	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	97.5	99.2	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	97.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	97.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	97.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	97.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	97.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	97.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	97.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	97.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	97.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	97.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

1860

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 20000	82.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 18000	82.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 16000	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 14000	85.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 12000	88.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 10000	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 9000	90.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 8000	91.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 7000	92.0	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 6000	93.0	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 5000	94.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 4500	94.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 4000	95.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 3500	95.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 3000	96.1	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2500	96.3	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 2000	96.6	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	96.6	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	96.8	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	96.8	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	96.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	96.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	96.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	96.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	96.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	96.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	96.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	96.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	96.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	96.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	96.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1860

1210WS FORM JUL 64 0-14-5 (Dat 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 20000	88.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 18000	88.3	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 16000	88.4	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 14000	89.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 12000	92.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 10000	93.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 9000	93.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 8000	94.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 7000	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 6000	95.0	96.3	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 5000	95.3	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 4500	95.5	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 4000	96.0	97.5	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 3500	96.3	97.8	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 3000	97.0	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2500	97.4	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 2000	97.6	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1800	97.6	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1500	97.7	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	97.8	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	97.8	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	97.8	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	97.8	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	97.8	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	97.8	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.8	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.8	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.8	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.8	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.8	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.8	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1857

1210WS FORM 0-14-5 (D&I 50) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ALLIED/ECRY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 20000	82.1	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 18000	82.1	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 16000	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 14000	83.6	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 12000	86.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 10000	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 9000	89.2	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 8000	90.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 7000	90.6	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 6000	90.8	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 5000	91.6	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 4500	91.9	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 4000	92.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 3500	93.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 3000	94.1	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2500	94.8	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2000	95.2	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1800	95.3	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1500	95.7	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200	95.8	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1000	96.3	98.4	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	96.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8
≥ 800	96.5	98.7	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	96.6	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
≥ 600	96.6	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5
≥ 500	96.7	99.1	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥ 400	96.7	99.1	99.3	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 300	96.7	99.1	99.3	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	96.7	99.1	99.3	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	96.7	99.1	99.3	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	96.7	99.1	99.3	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1800

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	56.2	58.1	58.6	58.7	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0
≥ 20000	74.1	76.3	76.7	76.9	76.9	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2
≥ 18000	74.1	76.4	76.9	77.0	77.0	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3
≥ 16000	74.3	76.6	77.0	77.1	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4
≥ 14000	75.1	77.4	77.8	77.9	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.3
≥ 12000	76.1	78.6	79.0	79.1	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.4
≥ 10000	77.7	80.3	80.7	80.8	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2
≥ 9000	78.1	80.8	81.2	81.3	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.6
≥ 8000	78.7	81.4	81.9	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3
≥ 7000	79.1	81.9	82.3	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7
≥ 6000	80.0	82.7	83.2	83.3	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6
≥ 5000	81.2	84.2	84.8	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2
≥ 4500	81.5	84.6	85.1	85.3	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.6
≥ 4000	82.4	85.7	86.3	86.4	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8
≥ 3500	83.0	86.5	87.1	87.2	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.6
≥ 3000	83.3	87.2	87.9	88.0	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4
≥ 2500	83.9	87.9	88.7	88.8	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.2
≥ 2000	85.8	90.2	90.9	91.1	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.4
≥ 1800	86.4	90.9	91.7	91.8	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2
≥ 1500	87.6	92.2	93.0	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.5	93.5
≥ 1200	89.3	94.2	95.0	95.2	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.6
≥ 1000	90.3	95.8	96.8	96.9	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4
≥ 900	90.4	96.1	97.1	97.3	97.4	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.8
≥ 800	90.7	96.6	97.7	97.9	98.0	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.4
≥ 700	90.7	96.9	98.1	98.4	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9
≥ 600	90.7	97.1	98.3	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.3
≥ 500	90.7	97.3	98.5	98.9	99.1	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5
≥ 400	90.9	97.4	98.6	99.0	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6
≥ 300	90.9	97.4	98.6	99.0	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6
≥ 200	90.9	97.4	98.7	99.0	99.2	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.7
≥ 100	90.9	97.4	98.7	99.0	99.2	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.8
≥ 0	90.9	97.4	98.7	99.0	99.2	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS

1858

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	51.5	54.3	55.1	55.3	55.9	55.7	55.7	55.7	55.7	55.9	55.9	55.9	56.1	56.1	56.3	56.3
≥ 20000	65.4	69.2	70.2	70.6	70.9	71.0	71.1	71.1	71.1	71.3	71.3	71.3	71.5	71.5	71.7	71.7
≥ 18000	65.4	69.2	70.2	70.6	70.9	71.0	71.1	71.1	71.1	71.3	71.3	71.3	71.5	71.5	71.7	71.7
≥ 16000	65.4	69.3	70.2	70.6	70.9	71.1	71.1	71.1	71.1	71.3	71.3	71.3	71.6	71.6	71.7	71.8
≥ 14000	66.9	70.8	71.7	72.1	72.4	72.5	72.6	72.6	72.6	72.8	72.8	72.8	73.0	73.0	73.2	73.2
≥ 12000	67.8	71.7	72.6	73.1	73.3	73.5	73.5	73.5	73.5	73.8	73.8	73.8	74.0	74.0	74.1	74.2
≥ 10000	69.5	73.5	74.5	74.9	75.2	75.3	75.4	75.4	75.4	75.6	75.6	75.6	75.8	75.8	76.0	76.0
≥ 9000	70.2	74.3	75.2	75.6	75.9	76.1	76.1	76.1	76.1	76.3	76.3	76.3	76.6	76.6	76.7	76.8
≥ 8000	71.0	75.2	76.1	76.6	76.8	77.0	77.0	77.0	77.0	77.3	77.3	77.3	77.5	77.5	77.6	77.7
≥ 7000	71.5	75.6	76.6	77.0	77.3	77.5	77.5	77.5	77.5	77.7	77.7	77.7	78.0	78.0	78.1	78.2
≥ 6000	71.7	75.9	76.9	77.3	77.6	77.7	77.8	77.8	77.8	78.0	78.0	78.0	78.2	78.2	78.4	78.4
≥ 5000	72.5	76.8	77.8	78.3	78.5	78.7	78.8	78.8	78.8	79.0	79.0	79.0	79.2	79.2	79.4	79.4
≥ 4500	72.6	76.8	77.9	78.3	78.6	78.8	78.8	78.8	78.8	79.0	79.0	79.0	79.2	79.2	79.4	79.5
≥ 4000	73.3	77.8	78.9	79.4	79.7	79.8	79.9	79.9	79.9	80.2	80.2	80.2	80.4	80.4	80.5	80.6
≥ 3500	74.0	78.8	79.9	80.3	80.6	80.8	81.0	81.0	81.0	81.2	81.2	81.2	81.4	81.4	81.6	81.6
≥ 3000	74.6	79.5	80.6	81.1	81.4	81.6	81.7	81.7	81.7	81.9	81.9	81.9	82.2	82.2	82.4	82.4
≥ 2500	75.5	80.6	81.7	82.2	82.5	82.7	82.8	82.8	82.8	83.1	83.1	83.1	83.3	83.3	83.5	83.5
≥ 2000	77.5	82.8	83.9	84.5	84.8	84.9	85.1	85.1	85.1	85.3	85.3	85.3	85.5	85.5	85.8	85.8
≥ 1800	78.2	83.4	84.6	85.1	85.4	85.6	85.8	85.8	85.8	86.0	86.0	86.0	86.2	86.2	86.4	86.5
≥ 1500	79.1	84.7	85.9	86.4	86.7	86.9	87.1	87.1	87.1	87.3	87.3	87.3	87.5	87.5	87.7	87.8
≥ 1200	81.7	87.8	89.0	89.6	89.9	90.1	90.3	90.3	90.3	90.5	90.5	90.5	90.8	90.8	91.0	91.1
≥ 1000	83.0	89.9	91.1	91.7	92.1	92.3	92.5	92.5	92.5	92.7	92.7	92.7	93.0	93.0	93.2	93.3
≥ 900	83.8	91.1	92.3	92.9	93.3	93.4	93.7	93.7	93.7	93.9	93.9	93.9	94.2	94.2	94.4	94.5
≥ 800	84.3	92.2	93.4	94.0	94.5	94.7	94.9	94.9	94.9	95.2	95.2	95.2	95.4	95.4	95.6	95.7
≥ 700	84.6	92.7	94.2	94.8	95.3	95.4	95.7	95.7	95.7	95.9	95.9	95.9	96.2	96.2	96.4	96.5
≥ 600	84.9	93.5	95.0	95.6	96.1	96.2	96.5	96.5	96.5	96.7	96.8	96.8	97.0	97.0	97.3	97.3
≥ 500	85.2	94.0	95.6	96.2	96.8	97.0	97.3	97.3	97.3	97.5	97.5	97.5	97.8	97.8	98.0	98.1
≥ 400	85.4	94.1	95.9	96.6	97.3	97.4	97.7	97.7	97.7	98.0	98.0	98.0	98.3	98.3	98.5	98.5
≥ 300	85.4	94.2	96.0	96.8	97.4	97.6	98.0	98.0	98.0	98.3	98.4	98.4	98.7	98.7	98.9	99.0
≥ 200	85.4	94.2	96.1	96.8	97.5	97.7	98.1	98.2	98.2	98.6	98.7	98.7	99.0	99.0	99.4	99.4
≥ 100	85.4	94.2	96.1	96.8	97.6	97.7	98.1	98.2	98.2	98.7	98.8	98.8	99.2	99.2	99.6	99.7
≥ 0	85.4	94.2	96.1	96.8	97.6	97.7	98.1	98.2	98.2	98.7	98.8	98.8	99.2	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS

1860

1210WS FORM JUL 64 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-1800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.4	43.9	45.2	46.0	46.7	46.8	47.1	47.1	47.1	47.2	47.3	47.3	47.3	47.3	47.4	47.6
≥ 20000	47.1	57.7	59.7	61.0	62.0	62.1	62.5	62.5	62.5	62.6	62.8	62.8	62.8	62.8	62.9	63.0
≥ 18000	47.2	57.8	59.8	61.1	62.1	62.2	62.6	62.6	62.6	62.7	62.9	62.9	62.9	62.9	63.0	63.2
≥ 16000	47.2	57.8	59.8	61.2	62.2	62.3	62.6	62.7	62.7	62.8	62.9	62.9	62.9	62.9	63.1	63.2
≥ 14000	48.0	58.8	60.8	62.1	63.2	63.3	63.6	63.6	63.6	63.7	63.9	63.9	63.9	63.9	64.1	64.2
≥ 12000	49.7	60.6	62.7	64.1	65.1	65.2	65.5	65.6	65.6	65.7	65.8	65.8	65.8	65.8	66.0	66.1
≥ 10000	51.5	62.7	64.8	66.1	67.1	67.2	67.6	67.7	67.7	67.8	67.9	67.9	67.9	67.9	68.1	68.2
≥ 9000	52.0	63.4	65.6	67.0	68.0	68.1	68.4	68.5	68.5	68.6	68.8	68.8	68.8	68.8	69.0	69.1
≥ 8000	52.8	64.6	66.9	68.3	69.4	69.6	69.9	70.0	70.0	70.1	70.3	70.3	70.3	70.3	70.4	70.5
≥ 7000	53.7	65.8	68.1	69.5	70.6	70.7	71.1	71.2	71.2	71.3	71.4	71.4	71.4	71.4	71.6	71.7
≥ 6000	54.5	66.8	69.2	70.6	71.7	71.9	72.2	72.3	72.3	72.4	72.6	72.6	72.6	72.6	72.7	72.8
≥ 5000	55.1	67.8	70.3	71.7	72.8	72.9	73.3	73.4	73.4	73.5	73.6	73.6	73.6	73.6	73.8	73.9
≥ 4500	55.3	68.0	70.5	72.0	73.1	73.2	73.5	73.6	73.6	73.7	73.9	73.9	73.9	73.9	74.1	74.2
≥ 4000	56.1	69.0	71.5	72.9	74.1	74.2	74.6	74.7	74.7	74.8	74.9	74.9	74.9	74.9	75.1	75.2
≥ 3500	56.7	69.9	72.5	74.0	75.1	75.3	75.6	75.7	75.7	75.8	76.0	76.0	76.0	76.0	76.1	76.2
≥ 3000	57.6	71.0	73.6	75.1	76.3	76.4	76.8	76.9	76.9	77.0	77.2	77.2	77.2	77.2	77.4	77.5
≥ 2500	58.5	72.1	74.8	76.4	77.5	77.7	78.1	78.3	78.3	78.4	78.5	78.5	78.6	78.6	78.8	78.9
≥ 2000	60.0	73.6	76.4	78.1	79.2	79.4	79.9	80.1	80.1	80.2	80.4	80.4	80.4	80.4	80.6	80.7
≥ 1800	60.7	74.4	77.1	78.9	80.0	80.2	80.7	80.8	80.8	81.0	81.1	81.1	81.2	81.2	81.3	81.4
≥ 1500	62.1	76.1	78.8	80.6	81.7	81.9	82.6	82.7	82.7	82.8	83.0	83.0	83.1	83.1	83.2	83.3
≥ 1200	63.4	78.1	81.0	82.8	84.1	84.2	84.9	85.1	85.1	85.2	85.4	85.4	85.4	85.4	85.6	85.7
≥ 1000	64.7	80.3	83.3	85.2	86.5	86.7	87.5	87.6	87.6	87.7	87.9	87.9	88.0	88.0	88.1	88.2
≥ 900	65.2	81.4	84.6	86.4	87.8	88.0	88.9	89.0	89.0	89.1	89.3	89.3	89.3	89.3	89.5	89.6
≥ 800	65.9	82.7	86.3	88.3	89.7	89.9	90.9	91.1	91.1	91.2	91.3	91.3	91.4	91.4	91.6	91.7
≥ 700	66.1	83.6	87.4	89.8	91.4	91.6	92.5	92.7	92.7	92.8	93.0	93.0	93.1	93.1	93.2	93.3
≥ 600	66.3	84.5	88.5	91.0	92.9	93.1	94.0	94.2	94.2	94.4	94.5	94.5	94.6	94.6	94.7	94.8
≥ 500	66.6	85.0	89.1	91.8	94.0	94.2	95.2	95.4	95.4	95.6	95.8	95.8	95.8	95.8	96.0	96.1
≥ 400	66.6	85.2	89.3	92.2	94.6	94.8	95.8	96.1	96.1	96.4	96.6	96.6	96.7	96.7	96.9	97.0
≥ 300	66.7	85.3	89.5	92.3	94.8	95.0	96.1	96.4	96.4	96.9	97.0	97.0	97.1	97.1	97.4	97.5
≥ 200	66.8	85.4	89.7	92.5	95.0	95.2	96.4	96.8	96.8	97.5	97.6	97.6	97.9	97.9	98.3	98.4
≥ 100	66.8	85.4	89.7	92.5	95.1	95.3	96.6	96.9	96.9	97.7	98.0	98.0	98.3	98.3	98.9	99.1
≥ 0	66.8	85.4	89.7	92.5	95.1	95.3	96.6	96.9	96.9	97.7	98.0	98.0	98.3	98.3	98.9	99.1

TOTAL NUMBER OF OBSERVATIONS

1859

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.9	46.1	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 20000	56.6	62.6	63.4	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 18000	56.6	62.6	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 16000	56.7	62.7	63.5	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 14000	57.3	63.4	64.2	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 12000	59.4	65.8	66.7	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 10000	61.1	68.1	69.0	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 9000	61.6	68.6	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 8000	62.0	69.3	70.2	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 7000	62.8	70.1	71.0	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 6000	63.3	70.9	71.9	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 5000	63.8	71.8	72.8	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4500	64.3	72.3	73.3	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 4000	64.8	72.8	73.9	74.2	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 3500	65.5	73.6	74.6	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3000	67.0	75.3	76.4	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 2500	69.5	77.8	79.0	79.6	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 2000	72.4	81.1	82.6	83.2	83.2	83.2	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1800	73.6	82.6	84.0	84.6	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1500	75.9	85.5	87.2	87.7	87.7	87.8	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1200	78.4	88.8	90.5	91.3	91.4	91.5	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1000	79.6	90.6	92.4	93.3	93.3	93.4	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	80.3	91.5	93.3	94.3	94.4	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 800	80.8	92.5	94.6	95.8	95.9	95.9	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 700	81.1	93.4	95.6	96.8	97.1	97.2	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 600	81.2	93.6	95.8	97.2	97.5	97.6	98.0	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2
≥ 500	81.2	93.8	96.0	97.5	97.9	98.0	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	81.2	93.9	96.3	97.9	98.4	98.5	99.1	99.2	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 300	81.2	93.9	96.3	97.9	98.4	98.6	99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥ 200	81.2	93.9	96.3	97.9	98.4	98.6	99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 100	81.2	93.9	96.3	97.9	98.4	98.6	99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 0	81.2	93.9	96.3	97.9	98.4	98.6	99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

1860

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,49-64

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	46.8	47.9	48.0	48.0	48.0	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 20000	64.7	66.3	66.4	66.4	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 18000	64.8	66.4	66.5	66.5	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 16000	65.0	66.6	66.8	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 14000	65.6	67.3	67.4	67.4	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 12000	67.7	69.6	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 10000	70.0	72.0	72.1	72.1	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 9000	70.5	72.6	72.7	72.7	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 8000	71.3	73.6	73.7	73.7	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 7000	72.0	74.4	74.5	74.5	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 6000	72.5	75.0	75.1	75.1	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 5000	73.2	75.9	76.0	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 4500	74.0	77.0	77.1	77.2	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4000	76.3	79.6	79.7	79.7	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3500	79.0	82.4	82.5	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3000	82.1	86.0	86.1	86.2	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 2500	85.3	89.9	89.7	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 2000	87.5	91.9	92.1	92.2	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1800	88.1	92.8	93.1	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1500	89.2	94.4	94.7	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1200	90.7	96.1	96.7	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	91.1	96.6	97.2	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 900	91.2	96.8	97.4	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	91.4	97.3	98.2	98.5	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	91.6	97.5	98.4	98.8	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	91.6	97.5	98.5	99.0	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	91.6	97.6	98.6	99.0	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	91.6	97.7	98.7	99.2	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	91.6	97.7	98.7	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	91.6	97.7	98.7	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	91.6	97.7	98.7	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	91.6	97.7	98.7	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

1859

1210WS FORM 0-14-5 (Dot 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,49-64

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.5	52.6	52.7	52.7	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
> 20000	70.8	72.0	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
18000	71.0	72.2	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
16000	71.2	72.4	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
14000	72.6	73.8	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
12000	75.8	77.0	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
10000	78.4	79.7	79.8	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
9000	78.9	80.3	80.4	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
8000	79.9	81.3	81.5	81.5	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
7000	81.0	82.5	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
6000	81.4	83.0	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
5000	82.5	84.3	84.5	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
4500	83.0	84.9	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
4000	85.3	87.4	87.6	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
3500	86.5	88.8	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
3000	89.1	91.5	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
2500	90.9	93.7	93.9	94.0	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
2000	91.9	95.1	95.4	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
1800	92.2	95.4	95.8	96.0	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
1500	92.6	96.0	96.4	96.6	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
1200	93.1	96.5	97.0	97.3	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
1000	93.2	96.6	97.2	97.4	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
900	93.3	96.8	97.3	97.6	97.7	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
800	93.5	97.0	97.7	98.0	98.1	98.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
700	93.6	97.2	97.8	98.1	98.3	98.4	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
600	93.7	97.3	98.0	98.4	98.6	98.8	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
500	93.7	97.4	98.1	98.5	98.7	98.9	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	93.9	97.5	98.2	98.7	98.9	99.0	99.2	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7
300	93.9	97.5	98.2	98.7	98.9	99.0	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.9
200	93.9	97.5	98.2	98.7	98.9	99.0	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.9	99.9	100.0
100	93.9	97.5	98.2	98.7	98.9	99.0	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.9	99.9	100.0
0	93.9	97.5	98.2	98.7	98.9	99.0	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

1860

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	55.1	56.2	56.4	56.4	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 20000	74.9	76.4	76.7	76.8	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 18000	75.3	76.8	77.1	77.1	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 16000	75.3	76.9	77.2	77.2	77.2	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 14000	76.0	77.6	77.9	77.9	77.9	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 12000	79.3	81.0	81.3	81.3	81.3	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 10000	81.5	83.4	83.7	83.8	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 9000	82.4	84.3	84.6	84.7	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 8000	83.3	85.4	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 7000	84.3	86.4	86.7	86.8	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 6000	84.9	86.9	87.3	87.3	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 5000	85.8	88.1	88.5	88.5	88.6	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 4500	85.9	88.2	88.6	88.7	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4000	87.4	89.8	90.3	90.4	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3500	88.2	90.8	91.3	91.3	91.5	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 3000	89.7	92.5	93.0	93.0	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2500	90.3	93.7	94.1	94.2	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2000	91.3	95.0	95.5	95.5	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	91.4	95.2	95.6	95.8	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1500	91.8	95.5	96.2	96.3	96.5	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1200	92.2	96.1	96.8	96.9	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1000	92.6	96.6	97.3	97.4	97.6	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	92.7	96.8	97.5	97.6	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	92.9	97.0	97.7	97.8	98.1	98.1	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	93.1	97.4	98.1	98.2	98.5	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	93.1	97.5	98.3	98.4	98.8	98.8	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	93.1	97.5	98.3	98.5	98.8	98.8	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	93.1	97.5	98.3	98.5	98.9	98.9	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	93.1	97.5	98.3	98.5	98.9	98.9	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 200	93.1	97.5	98.4	98.6	99.0	99.0	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	93.1	97.5	98.4	98.6	99.0	99.0	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	93.1	97.5	98.4	98.6	99.0	99.0	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1859

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	59.2	61.0	61.1	61.2	61.2	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.5
≥ 20000	78.2	80.3	80.4	80.5	80.5	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 18000	78.4	80.5	80.6	80.8	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 16000	78.6	80.7	80.8	80.9	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2
IV 14000	79.3	81.5	81.6	81.7	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 12000	81.1	83.3	83.4	83.5	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.8
IV 10000	83.0	85.2	85.3	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 9000	83.7	85.9	86.0	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 8000	83.9	86.3	86.4	86.5	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8
IV 7000	84.4	86.8	86.9	87.0	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3
IV 6000	85.1	87.7	87.8	88.0	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 5000	86.1	89.2	89.4	89.5	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 4500	86.5	89.6	89.7	89.8	89.8	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 4000	87.5	90.6	90.9	91.0	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 3500	88.0	91.2	91.5	91.6	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.9
IV 3000	88.5	91.8	92.0	92.1	92.1	92.1	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 2500	89.2	92.6	92.8	93.0	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3
IV 2000	90.2	93.6	93.9	94.0	94.1	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1800	90.6	94.1	94.5	94.6	94.6	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1500	91.1	94.8	95.2	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7
IV 1200	92.0	96.0	96.6	96.7	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1
IV 1000	92.5	96.8	97.4	97.5	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9
IV 900	92.6	97.0	97.6	97.7	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 800	92.8	97.3	97.9	98.0	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5
IV 700	93.1	97.5	98.2	98.3	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 600	93.1	97.7	98.4	98.6	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
IV 500	93.1	97.8	98.5	98.8	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
IV 400	93.1	98.0	98.8	99.0	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8
IV 300	93.1	98.0	98.8	99.0	99.2	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV 200	93.1	98.0	98.8	99.0	99.2	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
IV 100	93.1	98.0	98.8	99.0	99.2	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9
IV 0	93.1	98.0	98.8	99.0	99.2	99.2	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44,49-64
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	50.1	52.2	52.4	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0	53.0
≥ 20000	62.0	64.5	64.7	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.7	65.7
≥ 18000	62.0	64.5	64.7	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.7	65.7
≥ 16000	62.0	64.5	64.7	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.7	65.7
≥ 14000	62.6	65.0	65.3	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.2	66.2
≥ 12000	63.6	66.0	66.3	66.6	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.2	67.2
≥ 10000	65.0	67.5	67.8	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.7	68.7
≥ 9000	65.5	68.0	68.2	68.6	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.2	69.2
≥ 8000	66.0	68.6	68.8	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.8	69.8
≥ 7000	66.3	69.3	69.5	69.9	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.5	70.5
≥ 6000	66.8	70.1	70.3	70.6	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.3	71.3
≥ 5000	68.9	72.6	72.9	73.2	73.6	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.9	73.9
≥ 4500	69.8	73.5	73.7	74.1	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.7	74.7
≥ 4000	71.8	75.6	75.8	76.2	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.8	76.8
≥ 3500	72.3	76.4	76.7	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.9	77.9
≥ 3000	73.7	78.1	78.4	79.0	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.6	79.6
≥ 2500	75.8	80.6	80.9	81.5	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.2	82.2
≥ 2000	78.0	83.4	83.7	84.3	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	85.0	85.0
≥ 1800	79.0	84.5	84.9	85.5	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.1	86.1
≥ 1500	80.9	86.5	86.8	87.5	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.1	88.1
≥ 1200	82.9	88.9	89.2	89.9	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.6	90.6
≥ 1000	84.0	90.6	91.0	91.8	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.5	92.5
≥ 900	84.3	90.9	91.5	92.3	92.7	92.7	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	93.0	93.0
≥ 800	84.6	91.3	92.0	92.7	93.2	93.2	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.7	93.7
≥ 700	85.1	92.3	93.0	93.7	94.2	94.3	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.9	94.9
≥ 600	85.1	92.8	93.6	94.3	94.9	95.0	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.6	95.6
≥ 500	85.2	93.2	94.2	95.3	96.0	96.1	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.8	96.8
≥ 400	85.2	93.7	94.7	95.9	96.8	96.9	97.4	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.9	97.9
≥ 300	85.2	93.7	94.7	96.0	96.8	97.0	97.8	98.0	98.0	98.1	98.3	98.3	98.3	98.3	98.5	98.5
≥ 200	85.2	93.7	94.7	96.1	97.0	97.1	98.0	98.1	98.1	98.4	98.7	98.7	98.7	98.7	98.9	98.9
≥ 100	85.2	93.7	94.7	96.1	97.0	97.1	98.0	98.1	98.1	98.5	98.8	98.8	98.8	99.0	99.2	99.4
≥ 0	85.2	93.7	94.7	96.1	97.0	97.1	98.0	98.1	98.1	98.5	98.8	98.8	98.8	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 1710

1210WS FORM 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44,49-64
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.3	49.2	49.4	49.7	50.1	50.1	50.2	50.2	50.2	50.5	50.5	50.5	50.6	50.6	50.8	50.9
≥ 20000	55.9	59.7	59.9	60.2	60.7	60.7	60.7	60.7	60.7	61.2	61.2	61.2	61.3	61.3	61.6	61.7
≥ 18000	55.9	59.7	59.9	60.2	60.7	60.7	60.7	60.7	60.7	61.2	61.2	61.2	61.3	61.3	61.6	61.7
≥ 16000	55.9	59.7	59.9	60.2	60.7	60.7	60.7	60.7	60.7	61.2	61.2	61.2	61.3	61.3	61.6	61.7
≥ 14000	56.3	60.2	60.4	60.7	61.1	61.1	61.2	61.2	61.2	61.7	61.7	61.7	61.7	61.7	62.0	62.1
≥ 12000	56.8	60.6	60.9	61.1	61.6	61.6	61.7	61.7	61.7	62.1	62.1	62.1	62.2	62.2	62.5	62.6
≥ 10000	57.8	61.6	61.8	62.1	62.6	62.6	62.6	62.6	62.6	63.1	63.1	63.1	63.1	63.1	63.4	63.5
≥ 9000	58.2	62.1	62.3	62.6	63.1	63.1	63.1	63.1	63.1	63.6	63.6	63.6	63.7	63.7	64.0	64.1
≥ 8000	58.8	63.1	63.3	63.6	64.1	64.1	64.1	64.1	64.1	64.6	64.6	64.6	64.7	64.7	65.0	65.1
≥ 7000	59.6	63.8	64.1	64.4	64.8	64.8	64.9	64.9	64.9	65.4	65.4	65.4	65.4	65.4	65.7	65.8
≥ 6000	60.4	64.8	65.0	65.3	65.8	65.8	65.8	65.8	65.8	66.3	66.3	66.3	66.4	66.4	66.6	66.8
≥ 5000	62.0	66.8	67.0	67.3	67.8	67.8	67.8	67.8	67.8	68.3	68.3	68.3	68.3	68.3	68.6	68.8
≥ 4500	62.9	67.6	67.9	68.2	68.6	68.6	68.7	68.7	68.7	69.2	69.2	69.2	69.2	69.2	69.5	69.6
≥ 4000	64.5	69.6	69.9	70.3	70.7	70.7	70.8	70.8	70.8	71.3	71.3	71.3	71.3	71.3	71.6	71.7
≥ 3500	65.8	71.0	71.3	71.9	72.3	72.4	72.4	72.4	72.4	72.9	72.9	72.9	73.0	73.0	73.3	73.4
≥ 3000	67.2	72.7	73.1	73.8	74.3	74.3	74.4	74.4	74.4	74.8	74.8	74.8	74.9	74.9	75.2	75.3
≥ 2500	68.0	74.4	74.8	75.5	76.0	76.0	76.1	76.1	76.1	76.5	76.5	76.5	76.6	76.6	76.9	77.0
≥ 2000	72.1	78.3	78.8	79.5	80.0	80.1	80.2	80.2	80.2	80.6	80.6	80.6	80.7	80.7	81.0	81.1
≥ 1800	72.7	78.9	79.5	80.2	80.7	80.7	80.8	80.8	80.8	81.3	81.3	81.3	81.3	81.3	81.6	81.7
≥ 1500	74.9	81.8	82.4	83.1	83.7	83.7	83.8	83.8	83.8	84.3	84.3	84.3	84.3	84.3	84.6	84.7
≥ 1200	76.8	84.2	84.8	85.6	86.1	86.2	86.3	86.3	86.3	86.8	86.8	86.8	86.8	86.8	87.1	87.2
≥ 1000	77.9	86.0	86.6	87.4	88.0	88.1	88.2	88.2	88.2	88.7	88.7	88.7	88.8	88.8	89.1	89.2
≥ 900	78.6	86.8	87.5	88.3	88.9	89.0	89.2	89.2	89.2	89.7	89.7	89.7	89.8	89.8	90.1	90.2
≥ 800	78.8	87.5	88.3	89.2	90.0	90.1	90.2	90.2	90.2	90.8	90.8	90.8	90.8	90.8	91.1	91.2
≥ 700	79.3	88.5	89.4	90.2	91.0	91.2	91.3	91.4	91.4	92.0	92.0	92.0	92.0	92.0	92.3	92.5
≥ 600	79.6	89.1	90.0	90.9	91.7	91.9	92.1	92.2	92.2	92.8	92.8	92.8	92.9	92.9	93.2	93.3
≥ 500	79.8	89.9	90.9	91.8	92.7	92.8	93.1	93.2	93.2	93.9	94.0	94.0	94.0	94.0	94.3	94.4
≥ 400	79.9	90.3	91.5	92.9	93.8	93.9	94.3	94.5	94.5	95.2	95.3	95.3	95.3	95.3	95.6	95.7
≥ 300	79.9	90.5	91.7	93.2	94.1	94.2	94.9	95.2	95.2	96.1	96.2	96.2	96.4	96.4	96.7	96.8
≥ 200	79.9	90.5	91.9	93.3	94.3	94.4	95.1	95.5	95.5	96.6	96.8	96.8	97.1	97.1	97.4	97.6
≥ 100	80.0	90.6	92.0	93.4	94.4	94.6	95.2	95.6	95.6	97.1	97.7	97.7	98.2	98.2	98.5	98.8
≥ 0	80.0	90.6	92.0	93.4	94.4	94.6	95.2	95.6	95.6	97.1	97.7	97.7	98.2	98.2	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS

1709

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44,49-64
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	0
NO CEILING	39.2	42.7	43.2	43.5	43.7	43.8	44.1	44.3	44.3	44.4	44.6	44.6	44.6	44.6	44.7	44.8
≥ 20000	47.9	53.3	54.3	54.9	55.4	55.5	55.9	56.1	56.1	56.3	56.4	56.4	56.4	56.4	56.6	56.8
≥ 18000	47.9	53.3	54.3	54.9	55.4	55.5	55.9	56.1	56.1	56.3	56.4	56.4	56.4	56.4	56.6	56.8
≥ 16000	47.9	53.3	54.4	55.0	55.6	55.6	56.0	56.2	56.2	56.4	56.5	56.5	56.5	56.5	56.7	56.9
≥ 14000	48.4	53.8	54.9	55.6	56.1	56.1	56.5	56.7	56.7	57.0	57.1	57.1	57.1	57.1	57.3	57.4
≥ 12000	49.1	54.6	55.8	56.5	57.0	57.1	57.5	57.7	57.7	57.9	58.0	58.0	58.0	58.0	58.2	58.4
≥ 10000	50.4	56.1	57.3	58.0	58.5	58.6	59.1	59.2	59.2	59.5	59.6	59.6	59.6	59.6	59.8	59.9
≥ 9000	50.9	56.7	58.0	58.7	59.2	59.2	59.7	59.9	59.9	60.1	60.2	60.2	60.2	60.2	60.4	60.6
≥ 8000	51.8	57.7	59.0	59.7	60.2	60.3	60.8	60.9	60.9	61.2	61.3	61.3	61.3	61.3	61.5	61.6
≥ 7000	53.0	59.1	60.4	61.1	61.6	61.7	62.2	62.3	62.3	62.6	62.7	62.7	62.7	62.7	62.9	63.0
≥ 6000	53.6	59.6	61.0	61.7	62.2	62.3	62.7	62.9	62.9	63.2	63.3	63.3	63.3	63.3	63.5	63.7
≥ 5000	55.7	62.0	63.3	64.1	64.6	64.7	65.1	65.3	65.3	65.6	65.7	65.7	65.7	65.7	65.9	66.1
≥ 4500	56.3	62.6	64.0	64.7	65.3	65.3	65.8	66.0	66.0	66.3	66.4	66.4	66.4	66.4	66.6	66.7
≥ 4000	57.4	64.3	65.7	66.6	67.1	67.3	67.7	67.9	68.0	68.3	68.4	68.4	68.4	68.4	68.6	68.8
≥ 3500	58.0	65.3	66.7	67.8	68.3	68.4	68.9	69.1	69.1	69.5	69.6	69.6	69.6	69.6	69.8	69.9
≥ 3000	59.6	67.0	68.5	69.6	70.2	70.4	70.9	71.1	71.2	71.6	71.7	71.7	71.7	71.7	71.9	72.0
≥ 2500	61.1	68.8	70.3	71.5	72.1	72.3	72.8	73.0	73.0	73.5	73.6	73.6	73.6	73.6	73.7	73.9
≥ 2000	63.0	71.3	72.9	74.0	74.7	74.9	75.4	75.6	75.6	76.0	76.1	76.1	76.1	76.1	76.3	76.5
≥ 1800	64.3	72.7	74.4	75.8	76.5	76.7	77.2	77.4	77.4	77.8	78.0	78.0	78.0	78.0	78.1	78.3
≥ 1500	65.6	74.7	76.7	78.0	78.8	79.0	79.5	79.7	79.8	80.0	80.4	80.4	80.4	80.4	80.6	80.8
≥ 1200	67.9	77.8	79.9	81.2	82.0	82.2	82.7	82.9	83.0	83.6	83.7	83.7	83.7	83.7	83.9	84.0
≥ 1000	69.0	79.8	81.9	83.4	84.3	84.5	85.0	85.2	85.3	85.8	86.0	86.0	86.0	86.0	86.1	86.3
≥ 900	69.2	80.4	82.7	84.3	85.3	85.5	86.1	86.3	86.3	86.9	87.0	87.0	87.0	87.0	87.2	87.4
≥ 800	69.6	81.7	84.2	85.9	87.0	87.2	87.8	88.0	88.0	88.8	88.9	88.9	88.9	88.9	89.1	89.2
≥ 700	69.8	82.3	85.0	86.7	87.9	88.1	88.8	89.0	89.1	89.9	90.0	90.0	90.0	90.1	90.2	90.4
≥ 600	70.1	83.1	85.8	87.7	88.9	89.1	89.8	90.1	90.2	91.1	91.2	91.2	91.2	91.2	91.4	91.6
≥ 500	70.4	83.9	86.9	89.0	90.6	90.8	91.7	92.0	92.1	93.1	93.2	93.2	93.2	93.4	93.6	93.7
≥ 400	70.4	84.2	87.3	89.5	91.3	91.5	92.6	93.0	93.2	94.2	94.4	94.4	94.4	94.6	94.7	94.9
≥ 300	70.4	84.3	87.5	89.9	91.8	92.0	93.2	93.8	93.9	95.2	95.6	95.6	95.7	95.7	95.9	96.1
≥ 200	70.4	84.3	87.5	90.1	91.9	92.2	93.3	93.9	94.0	95.5	95.9	95.9	96.1	96.1	96.4	96.5
≥ 100	70.4	84.3	87.6	90.1	92.0	92.2	93.4	94.0	94.1	95.8	96.5	96.5	97.0	97.0	98.0	98.3
≥ 0	70.4	84.3	87.6	90.1	92.0	92.2	93.4	94.0	94.2	96.0	96.6	96.6	97.2	97.3	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS

1710

1210WS FORM 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 49-64
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	39.8	41.8	42.0	42.4	42.7	42.7	42.7	42.7	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 20000	53.3	56.7	57.6	58.0	58.3	58.3	58.3	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 18000	53.3	56.7	57.6	58.0	58.3	58.3	58.3	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 16000	53.6	57.0	58.0	58.3	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.9	58.9	58.9	58.9
≥ 14000	54.2	57.7	58.7	59.0	59.4	59.4	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 12000	55.3	59.2	60.2	60.5	60.9	60.9	60.9	60.9	60.9	61.1	61.1	61.1	61.2	61.2	61.2	61.2
≥ 10000	56.6	60.9	62.0	62.4	62.8	62.8	62.8	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 9000	57.0	61.3	62.3	62.7	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.4
≥ 8000	58.2	62.8	63.9	64.3	64.7	64.7	64.7	64.7	64.7	64.9	64.9	64.9	65.0	65.0	65.0	65.0
≥ 7000	59.3	64.0	65.1	65.6	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.2	66.2	66.2	66.2
≥ 6000	60.5	65.2	66.4	66.8	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.5	67.5	67.5	67.5
≥ 5000	61.2	66.0	67.2	67.7	68.1	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.3	68.3	68.3	68.3
≥ 4500	61.9	66.7	68.0	68.5	68.9	68.9	68.9	68.9	68.9	69.1	69.1	69.1	69.2	69.2	69.2	69.2
≥ 4000	62.6	67.8	69.1	69.7	70.2	70.2	70.2	70.3	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 3500	63.3	68.9	70.1	70.8	71.2	71.3	71.3	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3000	64.9	70.6	71.9	72.6	73.1	73.2	73.2	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 2500	66.6	72.9	74.1	74.8	75.3	75.4	75.4	75.6	75.6	75.7	75.7	75.7	75.8	75.8	75.8	75.8
≥ 2000	69.2	76.0	77.4	78.3	78.9	79.0	79.1	79.2	79.3	79.5	79.5	79.5	79.6	79.6	79.6	79.6
≥ 1800	70.1	77.2	78.7	79.6	80.2	80.4	80.6	80.7	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1500	72.3	80.2	81.8	82.9	83.5	83.6	83.9	84.0	84.1	84.3	84.3	84.3	84.4	84.4	84.4	84.4
≥ 1200	74.8	83.9	85.6	86.8	87.5	87.6	87.9	88.0	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1000	75.9	85.8	87.7	88.9	89.6	89.7	90.1	90.2	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 900	76.4	86.7	88.6	89.9	90.7	90.8	91.2	91.3	91.4	91.7	91.7	91.7	91.8	91.8	91.8	91.8
≥ 800	76.7	87.5	89.6	90.9	91.8	91.9	92.2	92.3	92.5	92.7	92.7	92.7	92.8	92.8	92.8	92.8
≥ 700	77.1	88.5	90.9	92.2	93.2	93.3	93.6	93.7	93.9	94.2	94.2	94.2	94.3	94.3	94.3	94.3
≥ 600	77.2	88.9	91.8	93.2	94.2	94.3	94.7	94.9	95.0	95.3	95.3	95.3	95.4	95.4	95.4	95.4
≥ 500	77.2	89.4	92.4	93.9	95.1	95.3	96.1	96.4	96.5	96.8	96.8	96.8	96.9	96.9	96.9	96.9
≥ 400	77.2	89.4	92.4	93.9	95.1	95.3	96.5	96.8	96.9	97.5	97.5	97.5	97.6	97.6	97.7	97.7
≥ 300	77.2	89.4	92.5	93.9	95.2	95.4	96.7	97.0	97.1	98.0	98.1	98.1	98.2	98.2	98.4	98.4
≥ 200	77.2	89.4	92.5	94.0	95.3	95.5	96.8	97.3	97.4	98.3	98.7	98.7	98.9	98.9	99.0	99.0
≥ 100	77.2	89.4	92.5	94.0	95.3	95.5	96.8	97.3	97.4	98.3	98.9	98.9	99.2	99.2	99.4	99.5
≥ 0	77.3	89.5	92.5	94.0	95.4	95.6	96.9	97.3	97.4	98.4	98.9	98.9	99.2	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1710

1210WS FORM 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44,49-64
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.8	44.7	45.0	45.0	45.2	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 20000	60.5	61.9	62.3	62.4	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 18000	60.5	61.9	62.3	62.4	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 16000	60.8	62.3	62.7	62.8	63.0	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 14000	61.6	63.2	63.7	63.7	63.9	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 12000	63.6	65.3	65.8	65.8	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 10000	65.3	67.2	67.7	67.7	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 9000	65.7	67.7	68.1	68.2	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 8000	66.7	68.7	69.1	69.2	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 7000	67.1	69.1	69.6	69.6	69.8	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 6000	67.7	69.8	70.4	70.4	70.6	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 5000	68.7	70.8	71.2	71.4	71.6	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 4500	69.1	71.4	72.0	72.0	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 4000	71.2	73.9	74.5	74.6	74.7	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 3500	73.0	75.9	76.5	76.6	76.8	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 3000	75.7	79.1	79.9	79.9	80.1	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 2500	79.1	82.9	83.7	83.8	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2000	82.3	86.5	87.4	87.5	87.7	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	89.0
≥ 1800	83.5	88.1	89.0	89.1	89.4	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1500	84.9	90.2	91.2	91.5	91.8	91.9	91.9	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1200	85.7	91.5	92.5	92.8	93.1	93.2	93.3	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1000	86.1	92.5	93.6	93.9	94.3	94.4	94.5	94.6	94.6	95.0	95.1	95.1	95.1	95.1	95.1	95.1
≥ 900	86.3	92.7	93.9	94.2	94.6	94.7	94.8	94.9	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 800	86.3	93.2	94.4	94.7	95.4	95.5	95.6	95.7	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 700	86.6	93.7	94.9	95.3	96.0	96.1	96.3	96.4	96.4	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 600	86.8	94.2	95.5	96.0	96.8	96.9	97.1	97.3	97.3	97.8	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500	86.8	94.4	95.8	96.3	97.4	97.5	97.8	98.0	98.0	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	86.8	94.4	95.8	96.3	97.5	97.7	98.1	98.2	98.2	98.9	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	86.8	94.6	95.9	96.6	97.8	98.1	98.4	98.5	98.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	86.8	94.6	96.0	96.7	97.9	98.1	98.5	98.6	98.7	99.6	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	86.8	94.6	96.0	96.7	97.9	98.1	98.5	98.6	98.7	99.6	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	86.8	94.6	96.0	96.7	97.9	98.1	98.5	98.6	98.7	99.6	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

1710

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 49-64
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	46.2	46.8	46.8	47.0	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 20000	65.4	66.8	66.8	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6
≥ 19000	65.4	66.8	66.8	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6
≥ 18000	65.8	67.2	67.3	67.5	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 17000	66.6	68.0	68.1	68.3	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 16000	68.9	70.3	70.4	70.6	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 15000	70.5	72.0	72.0	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8
≥ 14000	70.9	72.4	72.5	72.7	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 13000	71.6	73.3	73.4	73.6	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2
≥ 12000	72.6	74.4	74.6	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4
≥ 11000	73.5	75.5	75.7	75.9	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 10000	74.9	77.1	77.3	77.5	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 9000	75.8	78.0	78.2	78.4	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 8000	78.0	80.5	80.7	80.9	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.5	81.5
≥ 7000	79.4	82.2	82.3	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.1
≥ 6000	82.1	85.2	85.4	85.7	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 5000	84.5	87.9	88.1	88.4	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0
≥ 4000	86.3	90.1	90.4	90.6	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.4
≥ 3000	86.8	90.8	91.1	91.4	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2000	87.4	91.6	91.9	92.2	92.9	92.9	93.0	93.0	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1800	87.7	92.2	92.6	93.0	93.6	93.6	93.8	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.1	94.1
≥ 1600	87.9	92.8	93.2	93.6	94.2	94.2	94.4	94.4	94.5	94.7	94.7	94.7	94.7	94.7	94.8	94.8
≥ 1400	88.1	93.4	93.9	94.3	95.0	95.0	95.3	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.7	95.7
≥ 1200	88.3	93.7	94.2	94.7	95.6	95.6	95.8	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.2	96.2
≥ 1000	88.5	94.0	94.6	95.4	96.3	96.3	96.8	96.8	96.8	97.3	97.3	97.3	97.3	97.3	97.4	97.4
≥ 800	88.5	94.2	94.7	95.6	96.5	96.5	97.0	97.0	97.1	97.5	97.6	97.6	97.6	97.6	97.7	97.7
≥ 600	88.7	94.4	95.0	96.0	97.1	97.1	97.8	97.8	97.9	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 400	88.7	94.4	95.1	96.1	97.2	97.2	98.2	98.4	98.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	88.7	94.4	95.1	96.3	97.4	97.4	98.5	98.7	98.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9
≥ 200	88.7	94.4	95.1	96.3	97.4	97.4	98.5	98.7	98.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	88.7	94.4	95.1	96.3	97.4	97.4	98.5	98.7	98.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	88.7	94.4	95.1	96.3	97.4	97.4	98.5	98.7	98.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1710

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERS [REDACTED] TY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44,49-64
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.2	53.2	53.3	53.5	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 20000	68.1	69.8	70.2	70.4	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 18000	68.1	69.8	70.2	70.4	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 16000	68.3	70.0	70.4	70.5	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 14000	68.9	70.6	70.9	71.1	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000	71.1	72.7	73.1	73.3	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 10000	72.5	74.2	74.6	74.7	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 9000	73.0	74.9	75.3	75.4	75.8	75.8	75.8	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 8000	73.7	75.8	76.1	76.4	76.7	76.7	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 7000	74.4	77.2	77.5	77.8	78.1	78.1	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 6000	75.6	78.5	78.8	79.1	79.4	79.4	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 5000	77.5	80.4	80.8	81.0	81.3	81.3	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 4500	78.3	81.4	81.8	82.0	82.3	82.3	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 4000	80.2	83.6	84.1	84.3	84.7	84.7	84.7	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 3500	80.9	84.7	85.2	85.4	85.8	85.8	85.8	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000	82.5	86.6	87.1	87.4	87.8	87.8	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2500	84.2	88.5	89.2	89.5	89.9	89.9	89.9	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2000	85.1	90.4	91.1	91.5	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	85.5	90.8	91.5	91.9	92.3	92.3	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1500	86.2	91.8	92.6	93.0	93.5	93.5	93.6	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1200	87.0	92.9	93.7	94.2	94.7	94.7	94.7	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000	87.1	93.1	94.0	94.4	95.0	95.0	95.0	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	87.4	93.6	94.6	95.1	95.6	95.6	95.7	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 800	87.6	94.2	95.1	95.8	96.4	96.4	96.4	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	87.7	94.6	95.5	96.3	96.9	96.9	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	87.7	94.7	95.7	96.5	97.2	97.2	97.3	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 500	87.8	95.0	96.1	96.9	97.7	97.7	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	87.8	95.3	96.4	97.2	98.1	98.1	98.7	98.7	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	87.8	95.4	96.5	97.4	98.4	98.4	99.1	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	87.8	95.4	96.5	97.5	98.5	98.5	99.2	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	87.8	95.4	96.6	97.5	98.5	98.5	99.2	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	87.8	95.4	96.6	97.5	98.5	98.5	99.2	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1710

1210WS

FORM
JUL 84

0-14-5 (Det 50)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928

WACO TEXAS/JAMES CONNALLY AFB

42-44,49-64

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.1	53.8	53.9	54.2	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.4
IV 20000	67.1	69.5	69.9	70.2	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.5
IV 18000	67.1	69.5	69.9	70.2	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.5
IV 16000	67.2	69.5	69.9	70.3	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 14000	67.3	69.7	70.2	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 12000	69.2	71.7	72.1	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7
IV 10000	70.5	73.0	73.4	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0
IV 9000	71.0	73.4	73.8	74.2	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 8000	72.1	74.8	75.2	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8
IV 7000	72.6	75.4	75.8	76.2	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 6000	73.4	76.7	77.2	77.5	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8
IV 5000	75.0	78.5	79.0	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6
IV 4500	76.0	79.5	80.0	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.6
IV 4000	77.9	81.7	82.2	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.8
IV 3500	78.8	82.9	83.4	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0
IV 3000	80.3	85.1	85.6	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.3
IV 2500	82.5	87.6	88.1	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0
IV 2000	83.7	89.2	89.8	90.3	90.5	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.8
IV 1800	84.3	89.8	90.3	90.9	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1500	85.3	90.9	91.5	92.0	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1200	86.2	92.1	92.7	93.3	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9
IV 1000	87.0	93.1	93.9	94.5	94.7	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.1
IV 900	87.2	93.4	94.3	94.9	95.1	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 800	87.5	93.9	94.8	95.6	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2
IV 700	87.6	94.3	95.2	96.0	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.7
IV 600	87.6	94.6	95.4	96.3	96.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0
IV 500	87.6	95.1	96.0	96.9	97.4	97.5	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 400	87.7	95.3	96.4	97.3	98.1	98.2	98.5	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 300	87.7	95.3	96.4	97.4	98.1	98.2	98.7	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 200	87.7	95.3	96.5	97.4	98.2	98.3	98.8	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.4
IV 100	87.7	95.3	96.5	97.5	98.3	98.4	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	87.7	95.3	96.5	97.5	98.3	98.4	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

1709

1210WS FORM JUL 64 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 48-64
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	45.2	46.8	47.2	47.3	47.6	47.6	47.8	47.8	47.8	47.8	48.0	48.0	48.0	48.0	48.1	48.1
≥ 20000	56.9	59.8	60.4	60.6	60.9	60.9	61.1	61.1	61.2	61.3	61.5	61.5	61.5	61.5	61.6	61.6
≥ 18000	57.0	59.9	60.4	60.6	61.0	61.0	61.1	61.1	61.2	61.3	61.5	61.5	61.5	61.5	61.7	61.7
≥ 16000	57.0	59.9	60.5	60.7	61.0	61.0	61.2	61.2	61.3	61.4	61.6	61.6	61.6	61.6	61.7	61.7
≥ 14000	57.7	60.8	61.3	61.5	61.8	61.8	62.0	62.0	62.1	62.2	62.4	62.4	62.4	62.4	62.5	62.5
≥ 12000	59.0	62.2	62.7	62.9	63.2	63.2	63.4	63.4	63.5	63.6	63.8	63.8	63.8	63.8	63.9	63.9
≥ 10000	60.4	63.7	64.4	64.6	64.9	64.9	65.1	65.1	65.2	65.4	65.5	65.5	65.5	65.5	65.7	65.7
≥ 9000	60.6	64.0	64.7	64.9	65.2	65.2	65.4	65.4	65.5	65.6	65.8	65.8	65.8	65.8	66.0	66.0
≥ 8000	60.8	64.2	64.9	65.2	65.5	65.5	65.6	65.6	65.8	65.9	66.1	66.1	66.1	66.1	66.2	66.2
≥ 7000	61.1	64.6	65.3	65.5	65.9	65.9	66.0	66.0	66.1	66.3	66.5	66.5	66.5	66.5	66.6	66.6
≥ 6000	61.5	64.9	65.6	65.9	66.2	66.2	66.4	66.4	66.5	66.7	66.8	66.8	66.8	66.8	67.0	67.0
≥ 5000	63.4	67.2	67.8	68.2	68.6	68.6	68.8	68.8	68.9	69.0	69.2	69.2	69.2	69.2	69.4	69.4
≥ 4500	63.9	67.6	68.3	68.6	69.0	69.0	69.2	69.2	69.3	69.5	69.6	69.6	69.6	69.6	69.8	69.8
≥ 4000	65.5	69.3	70.1	70.4	70.8	70.8	71.0	71.0	71.1	71.2	71.4	71.4	71.4	71.4	71.6	71.6
≥ 3500	66.6	70.6	71.3	71.7	72.1	72.1	72.3	72.3	72.4	72.5	72.7	72.7	72.7	72.7	72.8	72.8
≥ 3000	67.7	72.0	72.8	73.1	73.5	73.5	73.7	73.8	73.9	74.0	74.2	74.2	74.2	74.2	74.4	74.4
≥ 2500	69.8	74.4	75.1	75.5	76.0	76.0	76.2	76.3	76.4	76.6	76.7	76.7	76.7	76.7	76.9	76.9
≥ 2000	72.0	77.3	78.0	78.4	78.9	78.9	79.1	79.2	79.3	79.5	79.6	79.6	79.6	79.6	79.8	79.8
≥ 1800	72.4	78.2	78.9	79.4	79.9	79.9	80.2	80.2	80.3	80.5	80.6	80.6	80.6	80.6	80.8	80.8
≥ 1500	73.8	80.1	81.0	81.6	82.2	82.2	82.4	82.5	82.6	82.7	82.9	82.9	82.9	82.9	83.1	83.1
≥ 1200	75.9	82.7	83.7	84.4	84.9	84.9	85.2	85.3	85.4	85.5	85.7	85.7	85.7	85.7	85.9	85.9
≥ 1000	76.7	84.1	85.2	86.0	86.6	86.6	86.8	86.9	87.0	87.2	87.3	87.3	87.3	87.3	87.5	87.5
≥ 900	76.8	84.6	85.8	86.6	87.3	87.3	87.5	87.6	87.7	87.8	88.0	88.0	88.0	88.0	88.2	88.2
≥ 800	77.4	85.6	86.9	87.7	88.5	88.5	88.8	88.9	89.0	89.1	89.3	89.3	89.3	89.3	89.5	89.5
≥ 700	77.7	86.8	88.2	89.0	90.0	90.0	90.4	90.4	90.5	90.7	90.9	90.9	90.9	90.9	91.0	91.0
≥ 600	77.7	87.4	89.0	89.8	90.9	91.0	91.6	91.6	91.7	92.0	92.2	92.2	92.2	92.2	92.4	92.4
≥ 500	77.8	87.7	89.4	90.3	91.6	91.7	92.3	92.7	92.8	93.2	93.4	93.4	93.4	93.4	93.5	93.5
≥ 400	77.9	88.0	89.7	90.8	92.4	92.6	93.6	94.0	94.1	94.7	94.8	94.8	94.8	94.8	95.0	95.0
≥ 300	77.9	88.3	90.2	91.2	93.0	93.2	94.5	95.2	95.3	96.0	96.1	96.1	96.1	96.1	96.3	96.3
≥ 200	77.9	88.3	90.2	91.3	93.2	93.4	95.1	95.9	96.0	96.8	97.0	97.0	97.1	97.1	97.3	97.4
≥ 100	77.9	88.4	90.3	91.4	93.3	93.5	95.2	96.1	96.2	97.0	97.4	97.4	97.6	97.6	98.0	98.4
≥ 0	77.9	88.4	90.3	91.4	93.3	93.5	95.2	96.1	96.2	97.0	97.4	97.4	97.7	97.8	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

1210WS FORM JUL 84 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44,48-64
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	42.2	44.4	44.8	44.9	45.1	45.1	45.4	45.4	45.4	45.5	45.6	45.6	45.6	45.6	45.6	45.7
≥ 20000	54.7	58.3	58.6	58.8	59.1	59.1	59.5	59.5	59.5	59.7	59.8	59.8	59.8	59.8	59.9	60.0
≥ 18000	54.7	58.3	58.6	58.8	59.1	59.1	59.5	59.5	59.5	59.7	59.8	59.8	59.8	59.8	59.9	60.0
≥ 16000	54.7	58.3	58.6	58.8	59.1	59.1	59.5	59.5	59.5	59.7	59.8	59.8	59.8	59.8	59.9	60.0
≥ 14000	55.2	58.7	59.1	59.3	59.5	59.5	60.0	60.0	60.0	60.1	60.2	60.2	60.3	60.3	60.4	60.5
≥ 12000	56.4	60.0	60.5	60.7	60.9	60.9	61.4	61.4	61.4	61.5	61.6	61.6	61.7	61.7	61.8	61.9
≥ 10000	57.8	61.6	62.0	62.3	62.6	62.6	63.0	63.0	63.1	63.3	63.4	63.4	63.4	63.4	63.5	63.6
≥ 9000	58.0	61.9	62.3	62.6	62.8	62.9	63.3	63.3	63.4	63.5	63.6	63.6	63.7	63.7	63.8	63.9
≥ 8000	58.5	62.3	62.7	63.0	63.3	63.3	63.7	63.7	63.8	64.0	64.1	64.1	64.1	64.1	64.2	64.3
≥ 7000	58.8	62.8	63.3	63.6	63.8	63.9	64.3	64.3	64.3	64.5	64.6	64.6	64.7	64.7	64.8	64.8
≥ 6000	59.4	63.6	64.1	64.4	64.7	64.7	65.1	65.1	65.2	65.4	65.5	65.5	65.5	65.5	65.6	65.7
≥ 5000	60.4	64.7	65.2	65.5	65.7	65.8	66.2	66.2	66.3	66.4	66.5	66.5	66.6	66.6	66.7	66.8
≥ 4500	60.7	65.1	65.6	65.9	66.1	66.2	66.6	66.6	66.6	66.8	66.9	66.9	67.0	67.0	67.1	67.1
≥ 4000	61.6	66.2	66.6	67.1	67.3	67.3	67.8	67.8	67.9	68.0	68.2	68.2	68.2	68.2	68.3	68.4
≥ 3500	62.6	67.3	67.8	68.2	68.4	68.5	69.0	69.0	69.0	69.2	69.3	69.3	69.3	69.3	69.4	69.5
≥ 3000	63.7	68.6	69.1	69.6	69.8	69.9	70.4	70.4	70.4	70.6	70.7	70.7	70.7	70.7	70.8	70.9
≥ 2500	65.2	70.6	71.1	71.6	71.8	71.9	72.4	72.4	72.4	72.6	72.7	72.7	72.7	72.7	72.8	72.9
≥ 2000	67.7	73.7	74.2	74.8	75.0	75.0	75.5	75.5	75.6	75.7	75.8	75.8	76.0	76.0	76.1	76.2
≥ 1800	67.9	74.7	75.3	76.0	76.2	76.2	76.8	76.8	76.8	77.0	77.1	77.1	77.2	77.2	77.3	77.4
≥ 1500	69.8	76.8	77.4	78.1	78.4	78.4	79.0	79.0	79.0	79.2	79.3	79.3	79.4	79.4	79.5	79.6
≥ 1200	72.5	79.8	80.4	81.1	81.4	81.5	82.0	82.0	82.1	82.2	82.4	82.4	82.5	82.5	82.6	82.7
≥ 1000	73.4	81.6	82.4	83.1	83.5	83.5	84.2	84.2	84.2	84.4	84.5	84.5	84.7	84.7	84.8	84.9
≥ 900	73.9	82.5	83.3	84.1	84.6	84.7	85.3	85.3	85.4	85.5	85.6	85.6	85.8	85.8	85.9	86.0
≥ 800	73.9	83.2	84.0	84.8	85.5	85.6	86.2	86.2	86.3	86.4	86.6	86.6	86.7	86.7	86.9	87.0
≥ 700	74.2	84.2	85.4	86.4	87.5	87.5	88.2	88.2	88.2	88.4	88.5	88.5	88.6	88.6	88.8	88.9
≥ 600	74.6	85.3	86.4	87.6	88.6	88.8	89.6	89.6	89.6	89.8	89.9	89.9	90.0	90.0	90.2	90.3
≥ 500	74.7	86.1	87.4	88.6	89.9	90.0	90.9	91.0	91.1	91.2	91.3	91.3	91.5	91.5	91.7	91.8
≥ 400	74.8	86.4	87.8	89.1	90.5	90.6	92.2	92.5	92.6	92.8	92.9	92.9	93.1	93.1	93.2	93.3
≥ 300	74.8	86.6	88.3	89.6	91.1	91.2	93.1	93.5	93.6	94.2	94.4	94.4	94.6	94.6	94.8	94.9
≥ 200	74.8	86.6	88.3	89.7	91.4	91.6	93.8	94.4	94.5	95.3	95.4	95.4	95.6	95.7	96.0	96.1
≥ 100	74.8	86.6	88.3	89.7	91.4	91.6	93.9	94.6	94.6	95.6	95.9	95.9	96.4	96.5	97.1	97.6
≥ 0	74.8	86.6	88.3	89.7	91.4	91.6	93.9	94.6	94.6	95.6	95.9	95.9	96.5	96.6	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS

1859

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 48-64
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	35.8	38.7	39.2	39.4	39.8	39.8	39.8	39.8	39.8	40.1	40.2	40.2	40.3	40.3	40.3	40.4
≥ 20000	47.2	51.7	52.4	53.1	53.6	53.6	53.8	53.8	53.8	54.1	54.2	54.2	54.4	54.4	54.4	54.5
≥ 18000	47.2	51.7	52.4	53.1	53.6	53.6	53.8	53.8	53.8	54.1	54.2	54.2	54.4	54.4	54.4	54.5
≥ 16000	47.2	51.8	52.5	53.2	53.7	53.7	53.8	53.8	53.8	54.2	54.2	54.2	54.4	54.4	54.5	54.6
≥ 14000	48.5	53.2	53.9	54.6	55.1	55.1	55.2	55.2	55.2	55.6	55.6	55.6	55.8	55.8	55.9	56.0
≥ 12000	50.0	54.7	55.5	56.2	56.8	56.8	56.9	56.9	56.9	57.3	57.4	57.4	57.5	57.5	57.6	57.7
≥ 10000	51.3	56.1	56.9	57.6	58.2	58.2	58.3	58.3	58.3	58.7	58.8	58.8	58.9	58.9	59.0	59.1
≥ 9000	51.9	56.8	57.5	58.3	58.9	58.9	59.0	59.0	59.0	59.4	59.5	59.5	59.6	59.6	59.7	59.8
≥ 8000	52.4	57.4	58.1	58.9	59.5	59.5	59.6	59.6	59.6	60.0	60.1	60.1	60.2	60.2	60.3	60.4
≥ 7000	52.9	57.9	58.7	59.5	60.0	60.0	60.2	60.2	60.2	60.5	60.6	60.6	60.8	60.8	60.8	60.9
≥ 6000	53.9	59.4	60.2	61.0	61.5	61.5	61.7	61.7	61.7	62.0	62.1	62.1	62.3	62.3	62.3	62.4
≥ 5000	54.7	60.5	61.2	62.0	62.6	62.6	62.7	62.7	62.7	63.1	63.2	63.2	63.3	63.3	63.4	63.5
≥ 4500	55.3	61.2	61.9	62.7	63.3	63.3	63.4	63.4	63.4	63.8	63.9	63.9	64.0	64.0	64.1	64.2
≥ 4000	55.8	62.0	62.8	63.7	64.2	64.2	64.4	64.4	64.4	64.7	64.8	64.8	64.9	64.9	65.0	65.2
≥ 3500	56.8	63.2	64.0	64.8	65.4	65.4	65.5	65.5	65.5	66.0	66.0	66.0	66.2	66.2	66.2	66.4
≥ 3000	57.8	64.5	65.4	66.2	66.9	66.9	67.0	67.1	67.1	67.5	67.6	67.6	67.7	67.7	67.8	68.0
≥ 2500	59.0	66.0	66.9	67.8	68.4	68.4	68.6	68.7	68.7	69.1	69.1	69.1	69.3	69.3	69.4	69.5
≥ 2000	60.8	68.2	69.1	70.0	70.6	70.6	70.8	70.9	70.9	71.3	71.3	71.3	71.5	71.5	71.6	71.7
≥ 1800	61.3	69.1	70.1	71.0	71.7	71.7	71.8	71.9	71.9	72.3	72.4	72.4	72.5	72.5	72.6	72.7
≥ 1500	62.5	70.9	71.8	72.8	73.5	73.5	73.7	73.8	73.8	74.2	74.2	74.2	74.4	74.4	74.5	74.7
≥ 1200	64.5	74.0	75.4	76.5	77.2	77.2	77.4	77.5	77.5	78.0	78.1	78.1	78.2	78.2	78.3	78.5
≥ 1000	65.6	76.6	78.1	79.2	80.1	80.1	80.4	80.5	80.5	81.1	81.1	81.1	81.3	81.3	81.3	81.6
≥ 900	65.9	77.4	78.9	80.0	81.1	81.1	81.4	81.5	81.5	82.0	82.1	82.1	82.3	82.3	82.3	82.5
≥ 800	66.4	78.6	80.4	81.6	83.0	83.1	83.4	83.5	83.5	84.1	84.2	84.2	84.4	84.4	84.4	84.6
≥ 700	66.7	79.7	81.6	83.0	84.4	84.6	85.1	85.2	85.2	85.9	86.0	86.0	86.2	86.2	86.2	86.5
≥ 600	67.2	80.9	83.0	84.7	86.2	86.5	87.0	87.3	87.3	88.0	88.1	88.1	88.3	88.3	88.4	88.7
≥ 500	67.4	81.3	83.5	85.3	87.1	87.5	88.2	88.4	88.4	89.4	89.6	89.6	89.8	89.8	89.9	90.2
≥ 400	67.4	81.5	83.8	85.9	87.7	88.2	89.2	89.6	89.6	90.9	91.2	91.2	91.5	91.5	91.5	91.8
≥ 300	67.4	81.6	83.9	86.1	88.3	88.7	90.1	90.5	90.6	92.5	92.9	92.9	93.3	93.3	93.3	93.7
≥ 200	67.4	81.6	84.0	86.2	88.7	89.1	90.5	91.3	91.4	93.8	94.8	94.8	95.4	95.4	95.6	96.0
≥ 100	67.4	81.6	84.0	86.2	88.7	89.1	90.5	91.3	91.4	94.0	95.1	95.1	96.0	96.0	97.2	97.7
≥ 0	67.4	81.6	84.0	86.2	88.7	89.1	90.5	91.3	91.4	94.0	95.1	95.1	96.0	96.1	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

1210WS FORM 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44,48-64
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.5	37.3	37.7	37.8	37.9	37.9	37.9	37.9	37.9	37.9	37.9	38.0	38.0	38.0	38.0	38.0
≥ 20000	48.6	53.1	54.0	54.3	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.7	54.7	54.7	54.7
≥ 18000	48.9	53.4	54.2	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9
≥ 16000	48.9	53.4	54.2	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9
≥ 14000	49.8	54.3	55.1	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8
≥ 12000	51.6	56.4	57.2	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0
≥ 10000	52.7	57.7	58.6	59.2	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.6	59.6	59.6	59.6
≥ 9000	53.4	58.4	59.3	59.9	60.1	60.1	60.1	60.1	60.2	60.2	60.2	60.3	60.4	60.4	60.4	60.4
≥ 8000	54.2	59.3	60.2	60.8	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.3	61.3	61.3	61.3
≥ 7000	55.2	60.4	61.4	61.9	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.4
≥ 6000	56.1	61.4	62.4	62.9	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4
≥ 5000	56.7	62.2	63.3	63.9	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.4
≥ 4500	57.0	62.6	63.7	64.2	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.8	64.8	64.8	64.8
≥ 4000	58.1	63.9	64.9	65.5	65.9	65.9	66.0	66.0	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2
≥ 3500	59.0	64.9	66.0	66.6	67.0	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.3	67.3	67.3	67.3
≥ 3000	59.9	66.0	67.2	67.8	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5
≥ 2500	61.6	68.3	69.6	70.3	70.7	70.7	70.8	70.8	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.1
≥ 2000	63.5	70.8	72.1	72.9	73.5	73.5	73.6	73.6	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9
≥ 1800	64.3	72.1	73.4	74.2	74.8	74.8	74.9	74.9	75.0	75.1	75.1	75.1	75.2	75.2	75.2	75.2
≥ 1500	66.1	74.4	75.9	76.8	77.4	77.4	77.5	77.5	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.8
≥ 1200	67.6	77.2	79.0	80.2	81.0	81.0	81.1	81.1	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4
≥ 1000	68.3	78.6	80.6	81.7	82.8	82.9	83.1	83.1	83.2	83.3	83.4	83.4	83.5	83.5	83.5	83.5
≥ 900	68.6	79.6	81.6	82.8	84.0	84.1	84.2	84.3	84.3	84.5	84.6	84.6	84.7	84.7	84.7	84.7
≥ 800	69.1	80.9	83.2	84.7	86.1	86.3	86.9	87.0	87.1	87.3	87.4	87.4	87.5	87.5	87.5	87.5
≥ 700	69.5	81.7	84.1	86.0	87.4	87.7	88.5	88.7	88.8	89.1	89.2	89.3	89.5	89.5	89.5	89.5
≥ 600	69.8	82.3	84.8	86.9	88.6	88.9	89.8	90.0	90.1	90.4	90.6	90.6	90.9	90.9	90.9	90.9
≥ 500	69.8	82.6	85.2	87.5	89.6	90.0	91.4	91.7	91.7	92.4	92.5	92.6	92.9	92.9	92.9	93.0
≥ 400	69.9	82.9	85.5	88.1	90.5	91.1	92.7	93.4	93.5	94.7	95.2	95.2	95.5	95.5	95.6	95.6
≥ 300	69.9	82.9	85.5	88.2	90.7	91.4	93.5	94.6	94.7	96.3	96.8	96.9	97.3	97.3	97.4	97.4
≥ 200	69.9	82.9	85.5	88.2	90.8	91.4	93.7	94.9	95.2	96.8	97.4	97.4	98.3	98.3	98.5	98.6
≥ 100	69.9	82.9	85.5	88.2	90.8	91.4	93.7	95.0	95.2	96.9	97.5	97.6	98.5	98.5	99.0	99.3
≥ 0	69.9	82.9	85.5	88.2	90.8	91.4	93.7	95.0	95.2	96.9	97.5	97.6	98.5	98.5	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS

1859

1210WS FORM 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44,48-64
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	37.3	39.2	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	
≥ 20000	54.9	57.4	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	
≥ 18000	55.1	57.7	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	
≥ 16000	55.2	57.7	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	
≥ 14000	56.2	58.7	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	
≥ 12000	57.8	60.5	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	
≥ 10000	59.5	62.5	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	
≥ 9000	59.8	62.9	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	
≥ 8000	60.7	63.9	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	
≥ 7000	61.2	64.6	64.9	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	
≥ 6000	61.9	65.4	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	
≥ 5000	62.7	66.3	66.5	66.7	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	
≥ 4500	63.3	67.0	67.2	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	
≥ 4000	64.7	68.7	69.1	69.3	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	
≥ 3500	65.6	69.9	70.3	70.5	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	
≥ 3000	67.6	72.2	72.6	72.9	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	
≥ 2500	70.5	75.7	76.1	76.4	76.5	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	
≥ 2000	72.4	78.4	78.9	79.2	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	
≥ 1800	72.9	79.2	79.7	80.0	80.2	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	
≥ 1500	74.6	81.6	82.0	82.5	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	
≥ 1200	76.5	85.2	85.7	86.3	86.6	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	
≥ 1000	77.2	86.4	87.1	87.8	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	
≥ 900	77.6	87.2	87.8	88.6	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	
≥ 800	78.4	88.6	89.4	90.7	91.1	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0	
≥ 700	78.6	89.2	90.2	91.6	92.3	92.4	93.2	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.5	93.5	
≥ 600	78.9	90.0	91.3	92.8	93.9	94.0	95.1	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.6	95.6	
≥ 500	78.9	90.3	91.6	93.4	94.6	94.7	96.2	96.3	96.3	96.8	96.9	96.9	96.9	96.9	97.0	97.0	
≥ 400	79.0	90.4	91.8	93.7	94.9	95.1	97.3	97.6	97.6	98.3	98.4	98.4	98.4	98.4	98.5	98.5	
≥ 300	79.0	90.5	91.8	93.7	95.0	95.2	97.4	98.0	98.0	98.7	98.9	98.9	99.1	99.1	99.2	99.2	
≥ 200	79.0	90.5	91.9	93.8	95.1	95.3	97.6	98.2	98.2	99.0	99.4	99.4	99.5	99.5	99.6	99.6	
≥ 100	79.0	90.5	91.9	93.8	95.1	95.3	97.6	98.2	98.2	99.0	99.4	99.4	99.7	99.7	99.9	99.9	
≥ 0	79.0	90.5	91.9	93.8	95.1	95.3	97.6	98.2	98.2	99.0	99.4	99.4	99.7	99.7	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 1859

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 48-64
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 20000	59.3	60.7	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 18000	59.5	60.9	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	59.6	61.1	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 14000	61.2	62.7	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 12000	62.9	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 10000	64.4	66.5	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 9000	65.2	67.5	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 8000	66.7	69.1	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 7000	67.3	69.9	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000	67.8	70.4	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 5000	69.0	71.7	72.0	72.0	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	69.7	72.5	72.8	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4000	71.0	74.0	74.3	74.3	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 3500	72.3	75.5	75.8	75.9	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3000	73.8	77.4	77.8	77.8	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2500	76.3	80.1	80.5	80.5	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 2000	78.3	83.2	83.6	83.8	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1800	79.0	84.1	84.5	84.6	84.8	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1500	79.9	85.4	86.0	86.1	86.3	86.3	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1200	81.7	88.0	88.7	89.0	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1000	82.3	89.3	90.3	90.9	91.1	91.2	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 900	82.5	89.6	90.6	91.2	91.7	91.8	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 800	82.8	90.4	91.5	92.4	93.2	93.3	93.7	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 700	83.0	91.0	92.3	93.3	94.1	94.3	94.6	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 600	83.2	91.7	93.2	94.2	95.1	95.2	95.9	96.0	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 500	83.2	92.0	93.5	95.0	96.0	96.1	97.1	97.3	97.4	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	83.2	92.0	93.5	95.1	96.2	96.3	97.4	97.6	97.8	98.6	98.8	98.9	98.9	98.9	98.9	98.9
≥ 300	83.2	92.0	93.6	95.2	96.3	96.4	97.6	98.0	98.1	99.0	99.2	99.2	99.6	99.6	99.6	99.6
≥ 200	83.2	92.1	93.7	95.4	96.4	96.6	97.9	98.2	98.3	99.2	99.4	99.5	99.8	99.9	99.9	99.9
≥ 100	83.2	92.1	93.7	95.4	96.4	96.6	97.9	98.2	98.3	99.3	99.5	99.5	99.9	99.9	100.0	100.0
≥ 0	83.2	92.1	93.7	95.4	96.4	96.6	97.9	98.2	98.3	99.3	99.5	99.5	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1828

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44,49-64
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.0	47.9	47.9	47.9	48.3	48.4	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 20000	61.2	63.8	63.9	64.0	64.3	64.4	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 18000	61.3	63.8	64.0	64.0	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7
≥ 16000	61.3	63.9	64.0	64.1	64.5	64.5	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 14000	62.6	65.3	65.4	65.4	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1
≥ 12000	63.6	66.2	66.3	66.4	66.8	66.8	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.1	67.1	67.1
≥ 10000	65.3	68.1	68.3	68.3	68.8	68.8	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 9000	65.8	68.6	68.8	68.8	69.3	69.3	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.6	69.6	69.6
≥ 8000	66.9	69.8	69.9	70.0	70.5	70.5	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 7000	67.7	70.7	70.9	70.9	71.4	71.4	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 6000	69.2	72.3	72.4	72.4	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.2
≥ 5000	70.0	73.3	73.4	73.5	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2
≥ 4500	70.9	74.1	74.3	74.3	74.8	74.8	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4000	72.3	75.9	76.0	76.1	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.8
≥ 3500	73.6	77.4	77.5	77.5	78.0	78.0	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.4	78.4	78.4
≥ 3000	75.2	79.7	79.9	80.0	80.4	80.5	80.6	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8
≥ 2500	76.7	81.7	82.0	82.2	82.7	82.7	82.9	82.9	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2000	78.0	83.6	84.0	84.4	84.9	84.9	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.4	85.4	85.4
≥ 1800	78.6	84.4	84.8	85.3	85.7	85.8	85.9	86.0	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1500	79.4	86.2	86.6	87.1	87.5	87.6	87.8	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1200	80.2	87.9	88.6	89.2	89.7	89.8	90.0	90.2	90.2	90.3	90.3	90.3	90.3	90.4	90.4	90.4
≥ 1000	80.6	88.9	89.7	90.4	91.2	91.2	91.6	91.7	91.7	91.8	92.0	92.0	92.1	92.1	92.1	92.1
≥ 900	80.8	89.5	90.4	91.2	91.9	92.0	92.4	92.5	92.5	92.6	92.9	92.9	92.9	93.0	93.0	93.0
≥ 800	80.9	90.0	90.9	91.8	92.6	92.7	93.1	93.3	93.3	93.3	93.6	93.6	93.7	93.7	93.7	93.7
≥ 700	80.9	90.2	91.2	92.2	93.0	93.1	93.5	93.7	93.7	93.7	94.0	94.0	94.1	94.1	94.1	94.1
≥ 600	81.1	90.8	92.0	93.1	94.1	94.2	94.7	94.9	94.9	95.2	95.6	95.6	95.7	95.8	95.8	95.8
≥ 500	81.2	91.3	92.7	94.1	95.1	95.2	95.9	96.2	96.2	96.6	97.0	97.0	97.1	97.2	97.2	97.2
≥ 400	81.2	91.6	93.0	94.4	95.5	95.8	96.7	97.0	97.0	97.7	98.1	98.1	98.2	98.2	98.2	98.3
≥ 300	81.2	91.7	93.2	94.5	95.6	95.9	96.9	97.2	97.2	97.9	98.3	98.3	98.4	98.5	98.5	98.6
≥ 200	81.2	91.7	93.2	94.6	95.8	96.1	97.2	97.6	97.7	98.4	98.9	98.9	99.0	99.0	99.1	99.2
≥ 100	81.2	91.7	93.3	94.7	95.9	96.2	97.3	97.7	97.7	98.5	99.0	99.0	99.1	99.2	99.3	99.5
≥ 0	81.2	91.7	93.3	94.7	95.9	96.2	97.3	97.7	97.7	98.5	99.0	99.0	99.1	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1767

1210WS FORM 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928

WACO TEXAS/JAMES CONNALLY AFB

42-44,49-64

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	49.5	51.5	51.8	52.0	52.1	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.5
≥ 20000	62.0	64.7	65.3	65.4	65.5	65.5	65.8	65.8	65.8	65.9	65.9	65.9	66.1	66.1	66.2	66.2
≥ 18000	62.0	64.8	65.3	65.4	65.6	65.6	65.9	65.9	65.9	66.0	66.0	66.0	66.2	66.2	66.3	66.3
≥ 16000	62.7	65.6	66.1	66.2	66.4	66.4	66.7	66.7	66.7	66.8	66.8	66.8	66.9	66.9	67.1	67.1
≥ 14000	63.2	66.2	66.7	66.8	66.9	66.9	67.2	67.2	67.2	67.4	67.4	67.4	67.6	67.6	67.7	67.7
≥ 12000	64.5	67.5	68.1	68.2	68.4	68.4	68.6	68.6	68.6	68.8	68.8	68.8	69.0	69.0	69.1	69.1
≥ 10000	64.7	67.8	68.4	68.5	68.6	68.6	68.9	68.9	68.9	69.1	69.1	69.1	69.3	69.3	69.4	69.4
≥ 9000	65.3	68.4	69.0	69.1	69.3	69.3	69.6	69.6	69.6	69.7	69.7	69.7	69.9	69.9	70.0	70.0
≥ 8000	65.9	69.2	69.8	69.9	70.1	70.1	70.3	70.3	70.3	70.5	70.5	70.5	70.7	70.7	70.8	70.8
≥ 7000	67.1	70.6	71.1	71.3	71.4	71.4	71.7	71.7	71.7	71.9	71.9	71.9	72.0	72.0	72.2	72.2
≥ 6000	68.1	71.6	72.3	72.4	72.6	72.6	72.8	72.8	72.8	73.0	73.0	73.0	73.2	73.2	73.3	73.3
≥ 5000	69.2	72.8	73.5	73.6	73.7	73.7	74.0	74.0	74.0	74.2	74.2	74.2	74.4	74.4	74.5	74.5
≥ 4500	70.4	74.6	75.2	75.3	75.5	75.5	75.8	75.8	75.8	75.9	75.9	75.9	76.1	76.1	76.2	76.2
≥ 4000	71.4	75.8	76.6	76.7	76.9	76.9	77.1	77.1	77.1	77.3	77.3	77.3	77.5	77.5	77.6	77.6
≥ 3500	72.6	77.2	78.0	78.2	78.3	78.3	78.6	78.6	78.6	78.8	78.8	78.8	78.9	78.9	79.1	79.1
≥ 3000	74.7	79.6	80.4	80.5	80.7	80.7	81.0	81.0	81.0	81.2	81.2	81.2	81.4	81.4	81.5	81.5
≥ 2500	76.3	81.7	82.5	82.7	82.9	82.9	83.1	83.2	83.2	83.4	83.4	83.4	83.5	83.5	83.6	83.6
≥ 2000	76.6	82.4	83.3	83.5	83.6	83.6	83.9	84.0	84.0	84.2	84.2	84.2	84.3	84.3	84.4	84.4
≥ 1800	77.2	83.6	84.8	84.9	85.3	85.3	85.6	85.7	85.7	85.9	85.9	85.9	86.0	86.0	86.1	86.1
≥ 1500	78.4	85.0	86.5	86.7	87.1	87.2	87.4	87.5	87.5	87.8	87.8	87.8	88.0	88.0	88.1	88.1
≥ 1200	78.7	85.9	87.5	87.8	88.2	88.3	88.6	88.7	88.7	88.9	89.0	89.0	89.2	89.2	89.4	89.4
≥ 1000	78.9	86.5	88.2	88.5	89.0	89.0	89.3	89.4	89.4	89.6	89.8	89.8	90.0	90.0	90.1	90.1
≥ 900	79.0	87.4	89.2	89.8	90.3	90.3	90.6	90.8	90.8	91.1	91.2	91.2	91.4	91.4	91.5	91.5
≥ 800	79.2	88.3	90.2	90.8	91.5	91.5	91.9	92.1	92.1	92.3	92.4	92.4	92.6	92.6	92.8	92.8
≥ 700	79.5	88.9	91.1	92.1	92.9	93.0	93.4	93.7	93.7	93.9	94.2	94.2	94.5	94.5	94.6	94.6
≥ 600	79.8	89.6	91.9	92.9	93.7	93.8	94.4	94.7	94.7	95.0	95.2	95.2	95.5	95.5	95.6	95.6
≥ 500	79.9	90.3	92.5	93.5	94.4	94.5	95.4	95.8	95.8	96.1	96.3	96.3	96.6	96.6	96.8	96.8
≥ 400	79.9	90.4	92.7	93.8	94.7	94.9	95.9	96.3	96.3	96.7	96.9	96.9	97.2	97.2	97.4	97.4
≥ 300	79.9	90.5	92.8	93.9	94.9	95.1	96.2	96.7	96.7	97.2	97.5	97.5	97.8	97.8	98.1	98.1
≥ 200	79.9	90.5	92.8	94.0	95.0	95.2	96.5	97.0	97.0	97.5	97.8	97.8	98.4	98.4	98.9	99.0
≥ 100	79.9	90.5	92.8	94.0	95.0	95.2	96.5	97.0	97.0	97.5	97.8	97.8	98.4	98.4	99.2	100.0
≥ 0	79.9	90.5	92.8	94.0	95.0	95.2	96.5	97.0	97.0	97.5	97.8	97.8	98.4	98.4	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

1767

2110WS FORM 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PART D

SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning some time in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

SKY COVER

13928

WACO TEXAS/JAMES CONNALLY AFB

48-64

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	25.8	3.5	3.2	2.9	2.6	2.3	2.9	3.4	5.1	3.7	44.5	6.0	11840
FEB		27.7	3.9	3.6	3.4	2.9	2.2	2.8	3.6	5.5	3.9	40.6	5.7	10848
MAR		25.9	4.4	4.9	4.0	3.0	2.5	3.3	4.2	5.6	4.2	38.1	5.6	11903
APR		24.5	3.6	3.7	3.5	2.9	2.8	3.7	4.6	7.6	5.1	38.1	5.9	11520
MAY		19.1	4.9	5.6	5.1	5.1	4.2	5.3	6.3	9.0	5.4	30.0	5.7	11902
JUN		25.0	7.1	6.6	6.8	6.9	6.0	5.3	6.7	8.7	5.4	15.5	4.5	11511
JUL		26.1	8.2	8.4	8.5	7.3	6.1	4.5	6.8	7.9	5.3	10.9	4.0	11902
AUG		31.1	8.9	8.4	8.6	7.6	6.1	4.6	5.4	6.2	4.2	9.0	3.5	11903
SEP		36.5	6.9	6.5	6.3	5.0	4.3	3.4	4.4	5.7	4.5	16.5	3.8	11518
OCT		43.8	5.3	4.6	4.1	3.2	2.7	3.1	3.7	5.2	3.7	20.6	3.8	11902
NOV		38.1	4.9	3.8	3.3	2.7	2.4	2.4	3.6	5.4	4.2	29.2	4.6	11517
DEC		33.0	4.4	3.4	3.6	2.6	1.9	2.9	3.2	4.9	4.1	36.0	5.2	12427
TOTALS		29.7	5.5	5.2	5.0	4.3	3.6	3.7	4.6	6.4	4.5	27.4	4.9	140693

SKY COVER

JAN

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02	35.0	1.5	3.0	2.8	2.2	1.3	2.9	3.0	3.0	1.3	44.0	5.5	1487
	03-05	33.1	1.9	2.3	2.4	2.2	1.2	2.8	2.4	3.6	2.0	46.1	5.7	1488
	06-08	22.6	3.7	3.2	2.5	3.1	1.8	2.4	3.5	4.5	4.1	48.6	6.4	1488
	09-11	17.8	4.5	2.2	2.7	2.1	2.5	2.3	3.4	5.8	5.8	50.8	6.8	1488
	12-14	18.1	4.5	3.8	2.8	3.1	3.1	2.6	4.4	6.6	5.5	45.6	6.5	1488
	15-17	20.6	4.3	4.2	3.0	2.0	3.7	3.0	3.8	7.7	5.5	42.1	6.3	1479
	18-20	25.9	4.6	4.2	4.3	3.0	2.0	3.8	4.4	5.8	3.4	38.5	5.6	1461
	21-23	33.5	2.7	2.7	3.1	3.4	2.5	3.6	2.5	3.5	2.2	40.2	5.3	1461
TOTALS		25.8	3.5	3.2	2.9	2.6	2.3	2.9	3.4	5.1	3.7	44.5	6.0	11840

SKY COVER

13928

49-64

FE8

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	39.1	1.9	2.9	2.4	1.7	1.2	2.0	2.6	5.0	1.8	39.4	5.1	1356
	03-05	36.4	2.2	2.1	2.5	2.1	1.7	2.0	1.9	2.9	1.7	44.4	5.4	1356
	06-08	23.7	4.9	3.5	2.9	3.2	2.0	1.7	1.8	4.9	3.8	47.4	6.1	1356
	09-11	21.3	4.2	2.9	3.5	2.5	2.1	2.7	4.1	5.2	4.6	46.8	6.4	1356
	12-14	20.6	4.9	4.3	3.9	3.2	2.4	2.8	4.1	7.2	5.5	41.1	6.1	1356
	15-17	19.9	5.2	4.1	3.7	3.5	2.1	2.9	6.3	8.3	6.1	37.8	6.1	1356
	18-20	25.2	5.4	3.9	4.1	3.7	3.2	4.7	5.0	5.4	4.9	34.4	5.5	1356
	21-23	34.9	2.6	4.6	4.1	3.2	2.9	3.4	2.9	4.8	2.8	33.8	4.9	1356
TOTALS		27.7	3.9	3.6	3.4	2.9	2.2	2.8	3.6	5.5	3.9	40.6	5.7	10848

SKY COVER

MAR

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02	36.8	2.4	4.6	3.4	2.4	1.7	2.8	2.9	4.2	2.0	37.0	5.0	1487
	03-05	32.7	2.2	3.4	2.1	2.6	1.4	3.2	3.0	3.4	2.3	43.9	5.6	1488
	06-08	20.8	4.4	4.2	3.0	2.6	1.7	2.4	4.0	5.8	4.8	46.3	6.4	1488
	09-11	20.7	4.2	4.6	3.0	2.4	1.9	3.0	3.6	5.3	5.8	45.4	6.3	1488
	12-14	18.6	6.0	4.8	5.2	2.8	3.1	3.2	5.5	8.0	5.0	37.8	6.0	1488
	15-17	19.0	5.8	6.0	4.9	3.2	3.8	3.8	4.8	7.7	6.3	34.7	5.9	1488
	18-20	22.4	5.1	6.0	5.5	4.6	4.1	4.5	5.2	6.4	5.5	30.5	5.4	1488
	21-23	36.3	4.7	5.4	4.7	3.6	2.6	3.4	4.3	4.3	1.7	28.9	4.5	1488
TOTALS		25.9	4.4	4.9	4.0	3.0	2.5	3.3	4.2	5.6	4.2	38.1	5.6	11903

SKY COVER

13928

WACO TEXAS/JAMES CONNALLY AFB

49-64

APR

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	34.3	2.1	3.9	3.6	2.4	2.0	3.5	3.9	6.5	2.6	35.3	5.2	1440
	03-05	28.8	1.9	2.5	3.1	2.6	1.8	3.6	2.8	4.8	3.8	44.2	5.9	1440
	06-08	18.0	3.9	3.3	2.5	1.7	2.2	2.0	3.1	6.5	6.9	49.9	6.8	1440
	09-11	18.2	3.2	2.8	3.5	2.4	1.9	2.3	4.0	8.2	7.5	46.1	6.7	1440
	12-14	18.8	3.2	3.3	2.8	3.1	3.0	3.5	6.7	11.4	7.2	36.8	6.4	1440
	15-17	19.2	4.2	4.1	4.0	4.2	5.3	4.7	5.5	9.9	6.0	32.9	6.0	1440
	18-20	23.5	6.3	5.2	4.2	3.8	4.0	4.6	5.6	8.6	4.0	30.2	5.4	1440
	21-23	35.3	3.6	4.5	4.3	3.2	2.4	5.3	5.1	4.9	2.4	29.0	4.7	1440
TOTALS		24.5	3.6	3.7	3.5	2.9	2.8	3.7	4.6	7.6	5.1	36.1	5.9	11520

SKY COVER

MAY

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	32.7	3.2	5.6	5.4	4.3	2.4	4.8	4.3	5.3	2.5	29.4	4.8	1488
	03-05	21.7	3.1	5.3	3.6	4.0	2.7	5.4	4.6	7.7	3.4	38.6	6.0	1488
	06-08	13.0	3.0	4.0	3.4	3.5	3.4	3.8	5.5	11.3	7.6	41.5	6.9	1488
	09-11	13.0	4.4	3.4	4.4	5.4	4.0	4.9	7.5	12.2	7.5	33.3	6.5	1488
	12-14	11.7	5.4	5.4	5.0	5.0	6.4	5.9	7.9	12.0	6.8	28.4	6.2	1488
	15-17	12.4	6.3	6.4	6.3	6.7	6.9	6.3	8.0	9.5	7.3	23.8	5.7	1487
	18-20	17.1	8.6	8.9	6.3	6.2	4.7	5.0	7.4	8.2	4.7	22.9	5.1	1488
	21-23	31.1	5.2	6.3	6.3	5.4	3.5	6.4	4.7	5.4	3.4	22.4	4.4	1487
TOTALS		19.1	4.9	5.6	5.1	5.1	4.2	5.3	6.3	9.0	5.4	30.0	5.7	11902

SKY COVER

13928

49-64

JUN

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	48.2	5.3	5.6	5.0	4.6	2.4	4.0	3.8	4.2	2.1	15.0	3.1	1439
	03-05	29.5	6.5	8.1	6.4	4.7	4.2	4.3	3.8	8.4	3.8	20.5	4.4	1440
	06-08	15.0	6.9	5.4	5.8	5.9	5.6	5.4	7.4	10.6	9.0	23.1	5.7	1439
	09-11	13.1	6.5	4.8	6.5	7.0	8.7	7.1	8.8	11.9	8.5	17.2	5.5	1439
	12-14	10.8	5.3	5.1	6.7	9.5	10.4	8.2	12.1	12.8	6.0	13.3	5.5	1439
	15-17	12.6	7.6	6.3	9.2	12.4	10.3	6.6	7.9	9.9	6.3	11.0	4.9	1440
	18-20	24.0	12.2	10.4	9.6	5.9	4.0	4.2	5.8	6.9	5.5	11.5	3.9	1438
	21-23	47.2	6.4	7.2	5.3	4.9	2.7	3.0	3.8	4.9	2.4	12.4	3.0	1437
TOTALS		25.0	7.1	6.6	6.8	6.9	6.0	5.3	6.7	8.7	5.4	15.5	4.5	11511

SKY COVER

JUL

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	56.5	5.8	7.5	4.8	4.6	2.1	2.6	3.1	4.0	1.6	7.5	2.2	1488
	03-05	41.7	7.8	8.5	6.9	4.2	3.8	3.3	5.3	5.2	2.7	10.6	3.1	1488
	06-08	16.6	9.3	8.4	9.0	6.5	6.1	3.5	7.7	10.4	6.9	15.7	4.9	1487
	09-11	16.5	8.6	7.5	7.1	7.5	7.9	6.0	8.7	10.8	6.5	13.0	4.9	1488
	12-14	7.9	6.3	7.1	10.8	10.6	11.3	7.0	10.4	12.0	6.8	9.9	5.2	1488
	15-17	6.7	5.7	8.6	12.2	13.2	10.6	5.0	8.9	10.2	8.7	10.2	5.2	1487
	18-20	18.1	11.5	11.4	10.1	6.5	4.7	5.3	6.6	6.9	7.5	11.5	4.3	1488
	21-23	45.2	10.2	8.5	7.1	5.0	2.8	3.1	3.5	4.2	1.7	8.8	2.6	1488
TOTALS		26.1	8.2	8.4	8.5	7.3	6.1	4.5	6.8	7.9	5.3	10.9	4.0	11902

SKY COVER

AUG
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02	61.1	6.6	5.5	5.0	3.9	2.4	2.4	2.4	2.2	1.1	7.5	1.9	1488
	03-05	52.7	7.9	6.9	5.4	4.4	3.8	2.5	2.3	3.0	2.5	8.7	2.4	1488
	06-08	22.5	9.1	10.0	10.6	6.8	4.6	5.0	5.8	7.1	5.3	13.2	4.2	1488
	09-11	21.7	9.6	7.3	8.9	7.7	7.5	5.9	8.0	7.6	5.1	10.7	4.2	1487
	12-14	11.8	7.6	9.7	9.8	12.7	9.5	7.9	6.9	9.7	6.3	8.1	4.7	1488
	15-17	8.9	8.6	9.5	12.4	13.4	11.2	5.3	8.7	8.6	6.2	7.2	4.6	1408
	18-20	19.4	14.4	11.0	9.0	7.3	6.3	4.4	6.8	8.3	5.0	8.1	3.9	1488
	21-23	50.6	7.5	7.4	7.8	4.5	3.0	3.4	2.5	3.0	2.0	8.4	2.4	1488
TOTALS		31.1	8.9	8.4	8.6	7.6	6.1	4.6	5.4	6.2	4.2	9.0	3.5	11903

SKY COVER

SEP

MONITOR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00-02	56.4	4.7	4.3	3.4	2.8	1.8	2.1	2.4	3.6	1.9	16.5	2.8	1439
	03-05	52.5	4.2	4.0	3.7	2.1	1.9	1.9	2.4	4.3	2.7	20.3	3.3	1440
	06-08	29.6	8.6	7.2	5.5	3.5	3.1	2.9	5.1	6.5	4.1	23.9	4.5	1439
	09-11	27.1	7.2	5.6	6.7	4.7	4.9	4.7	5.5	8.0	6.5	19.2	4.6	1440
	12-14	17.8	7.1	6.3	9.4	9.0	6.7	5.8	7.4	7.8	5.8	14.7	4.8	1440
	15-17	19.7	6.8	9.7	9.5	10.1	7.8	4.5	5.8	7.2	6.9	12.0	4.4	1440
	18-20	34.7	10.1	8.5	8.2	5.1	4.0	2.7	3.8	5.5	5.3	12.0	3.5	1440
	21-23	54.6	6.0	6.6	4.3	3.0	2.1	2.2	2.8	3.0	2.2	13.1	2.6	1440
TOTALS		36.5	6.9	6.5	6.3	5.0	4.3	3.4	4.4	5.7	4.5	16.5	3.8	11518

SKY COVER

13928

WACO TEXAS/JAMES CONNALLY AFB

49-64

OCT

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02	56.4	4.0	2.6	3.9	2.4	1.6	2.7	2.0	3.6	1.7	19.1	3.0	1487
	03-05	53.9	3.1	3.0	3.8	2.5	1.7	2.6	2.2	3.1	1.3	22.8	3.3	1488
	06-08	37.1	5.1	5.3	3.6	3.2	1.9	3.0	4.7	4.8	4.0	27.2	4.5	1488
	09-11	35.9	6.0	4.7	3.9	2.7	2.2	3.6	4.2	5.7	5.0	26.2	4.5	1488
	12-14	33.3	4.8	5.6	5.0	3.2	4.1	3.2	5.6	9.8	6.5	18.9	4.5	1488
	15-17	33.5	6.6	6.7	5.7	4.4	4.8	3.4	4.3	6.3	6.3	18.1	4.2	1488
	18-20	44.4	7.9	5.0	3.2	4.1	2.7	3.4	4.2	5.5	3.4	16.1	3.4	1488
	21-23	55.7	5.2	4.1	3.5	3.0	2.4	3.0	2.2	3.0	1.4	16.6	2.8	1487
TOTALS		43.8	5.3	4.6	4.1	3.2	2.7	3.1	3.7	5.2	3.7	20.6	3.8	11902

SKY COVER

NDV

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00-02	47.4	3.1	2.6	2.8	2.6	2.0	1.9	2.5	4.0	2.5	28.5	4.1	1440
	03-05	46.9	2.3	2.9	2.6	2.6	1.1	2.0	2.4	3.3	2.9	30.9	4.2	439
	06-08	32.1	6.9	3.6	2.6	2.5	2.4	1.7	4.0	6.3	5.0	32.8	5.1	440
	09-11	31.2	5.0	3.7	3.6	1.9	2.1	1.7	3.5	7.2	6.0	34.1	5.3	440
	12-14	30.3	6.3	3.9	3.7	3.1	2.8	2.3	4.6	6.7	7.4	28.9	5.1	1439
	15-17	31.8	5.5	5.1	4.2	2.3	4.2	3.0	4.0	7.5	5.1	27.4	4.8	1440
	18-20	38.9	6.5	4.8	3.9	3.9	2.3	3.0	4.0	4.5	2.8	25.6	4.2	1440
	21-23	46.1	3.5	3.7	3.1	2.7	2.6	3.9	3.6	3.5	1.9	25.2	3.9	1439
TOTALS		38.1	4.9	3.8	3.3	2.7	2.4	2.4	3.6	5.4	4.2	29.2	4.6	11517

SKY COVER

DEC

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10			
DEC	00-02	43.8	3.0	3.2	2.7	2.2	1.9	2.2	1.8	3.4	1.6	34.1	4.4	1581	
	03-05	43.7	2.7	2.7	2.7	1.8	1.4	1.8	2.2	3.0	1.6	36.5	4.6	1580	
	06-08	28.5	5.1	3.9	3.4	2.5	1.8	2.2	3.4	5.1	3.4	41.0	5.6	1581	
	09-11	23.1	5.1	3.2	4.2	2.3	2.3	2.5	3.8	6.6	5.4	41.4	6.0	1580	
	12-14	23.8	5.1	3.4	3.7	3.5	2.0	3.5	4.3	6.2	7.8	34.6	5.8	1580	
	15-17	24.8	5.0	4.6	4.1	3.0	1.9	2.8	4.6	6.9	7.3	34.8	5.7	1549	
	18-20	33.9	5.9	3.1	4.4	3.0	1.7	4.8	3.6	4.4	3.2	32.1	4.8	1488	
	21-23	43.2	3.7	3.0	3.6	2.6	1.9	3.2	2.1	3.6	2.3	30.9	4.3	1488	
TOTALS		33.0	4.4	3.4	3.6	2.6	1.9	2.9	3.2	4.9	4.1	36.0	5.2	12427	

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MATS)
ASHEVILLE, NORTH CAROLINA

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry-and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.
 - b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of

observations used in the computations for each element is also shown.

- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Record for all years available are combined. Tables are prepared for the following:
 - a. Dry-bulb temperature
 - b. Wet-bulb temperature
 - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

DAILY TEMPERATURES

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 48-64
YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
105							1.2	2.4	2.2				3
100						2.1	17.0	27.7	3.0				4.2
95				.4	2.3	31.8	66.7	67.2	24.4	1.4			16.4
90	.2	.2	.5	3.2	24.5	73.3	90.3	88.1	56.5	12.4			29.4
85	.2	1.7	3.7	16.5	58.3	91.4	96.8	97.4	78.6	32.6	3.1	.2	40.5
80	1.7	4.5	16.0	43.9	79.7	96.8	99.1	99.0	91.6	58.2	15.7	1.7	51.2
75	7.9	16.2	32.1	65.3	91.6	98.6	99.8	100.0	97.0	77.4	30.0	7.7	60.8
70	22.9	31.8	51.8	81.0	96.9	99.5	100.0		99.5	87.4	48.7	21.3	70.4
65	31.7	49.2	70.5	91.9	99.0	100.0			99.6	94.9	64.3	34.9	78.2
60	46.6	62.2	81.3	97.4	99.7				100.0	98.8	76.8	50.8	84.6
55	61.0	73.6	89.5	99.3	100.0					99.7	87.8	68.2	90.4
50	73.4	84.9	95.4	99.8						100.0	93.3	80.9	94.0
45	82.4	92.5	97.6								97.4	90.1	96.7
40	89.5	96.5	98.8	100.0							99.4	96.1	98.3
35	93.8	99.1	99.8								100.0	98.3	99.2
30	97.1	99.6	100.0									99.8	99.7
25	99.0	99.8										100.0	99.9
20	99.5	100.0											99.9
15	100.0												100.0
MEAN	57.3	62.5	68.9	76.9	84.6	91.6	95.5	96.1	89.4	80.1	67.8	59.5	77.7
SD	13.398	11.787	10.495	8.165	6.754	5.223	4.826	5.210	6.681	8.186	10.900	11.000	16.216
TOTAL OBS	580	537	589	570	607	570	589	589	570	589	540	588	6918

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

DAILY TEMPERATURES

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,48-64

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
60							2.9	3.2	.7				.6
75					1.8	26.8	56.5	54.8	10.4	1.5	.2		12.8
70			.5	2.0	24.3	73.9	96.3	88.8	48.1	10.0	1.1		29.1
65	.7	.2	3.1	10.2	53.8	95.6	100.0	98.0	73.2	22.9	5.2	.7	39.7
60	3.3	5.9	11.5	41.1	82.7	99.5		99.8	89.5	45.0	10.6	3.1	49.7
55	7.6	11.2	22.6	58.9	91.9	100.0		100.0	97.5	65.0	22.4	6.6	57.5
50	13.3	22.0	41.4	76.3	98.0				90.6	83.2	34.8	12.8	65.6
45	22.8	37.2	58.7	89.1	99.5				99.8	93.5	53.1	25.7	73.6
40	41.2	58.5	77.8	96.8	100.0				100.0	98.3	73.9	46.4	82.9
35	58.3	78.2	89.0	99.5						100.0	90.6	70.2	90.6
30	78.4	91.1	97.3	100.0							97.0	87.1	95.9
25	89.4	97.0	99.1								99.6	95.7	98.3
20	93.8	99.2	99.8								100.0	99.1	99.3
15	97.9	99.4										99.7	99.7
10	99.1	99.6	100.0									100.0	99.8
5	99.7	100.0											99.9
5-	99.8												99.9
10-	100.0												100.0
MEAN	37.1	41.8	47.0	56.1	64.6	71.7	74.8	74.2	68.0	57.9	46.4	39.3	56.7
SD	11.359	9.679	9.697	8.493	6.280	3.893	2.698	3.693	6.093	8.570	9.900	9.245	15.571
TOTAL OBS	580	537	589	570	606	570	589	589	570	589	540	588	6517

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

DAILY TEMPERATURES

13928 WACO TEXAS/JAMES CONNALLY AFB 42-45.48-64

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
95							.2	.2					.2
90						.4	8.5	14.6	1.1				2.1
85					1.3	27.4	64.0	62.8	13.0				14.3
80				1.1	22.1	75.3	94.4	91.7	52.1	8.3	.2		29.1
75	.2	.2	2.2	15.3	59.6	94.0	99.1	98.3	78.1	23.6	3.5	.2	39.6
70	1.6	2.2	11.4	40.9	83.2	98.6	100.0	100.0	92.6	52.5	10.9	1.0	50.1
65	6.7	11.5	26.1	63.3	93.4	99.6			98.6	73.8	22.4	5.3	58.9
60	14.7	23.8	45.3	81.4	98.2	100.0			99.5	88.3	38.1	13.0	67.4
55	25.7	44.5	66.2	92.3	99.7				100.0	96.3	61.5	28.3	76.5
50	44.5	61.4	82.5	98.8	100.0					99.3	79.4	49.4	84.7
45	61.4	78.2	91.7	99.8						99.8	91.3	71.4	91.2
40	78.1	90.1	97.3							100.0	96.3	88.1	95.8
35	86.2	96.1	98.8	100.0							99.4	94.7	97.9
30	93.3	98.9	99.8								100.0	98.6	99.2
25	97.1	99.4	100.0									99.5	99.6
20	98.6	99.8										100.0	99.8
15	99.5	100.0											99.9
10	99.8												99.9
5	100.0												99.9
MEAN	47.3	52.3	58.1	66.7	74.8	81.8	85.3	85.3	78.9	69.1	57.2	49.5	67.3
SD	11.450	9.787	9.327	7.563	5.921	4.194	3.445	4.120	5.711	7.576	9.469	9.060	15.506
TOTAL OBS	580	537	589	570	606	570	589	589	570	589	540	587	6916

EXTREME VALUES

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64

WHOLE DEGREES FAHRENHEIT

1210 WS FORM 0-88.5 (Det 50)
JUL 56

EXTREME VALUES

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64

WHOLE DEGREES FAHRENHEIT

1210 WS FORM 0 88 S (Det 50)
JUL 86

PSYCHROMETRIC SUMMARY

ALL

PAGE 1 ALL
HOURS 1 5 7

[illegible]

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928 WACO TEXAS/JAMES CONNALLY AFB
STATION STATION NAME

42-45,48-64
YEARS

ALL
MONTH

PAGE 2 ALL
HOURS 4 5 1

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
42/ 41	.2	.5	.6	.4	.2	.0	.0																										3196	3201	4835	4996	
40/ 39	.2	.5	.6	.3	.1	.0																											3067	3079	4734	5129	
38/ 37	.1	.5	.5	.3	.1	.0																											2429	2440	3759	4985	
36/ 35	.1	.5	.4	.2	.0	.0																											2154	2159	3340	4741	
34/ 33	.1	.4	.3	.1	.0	.0																											1620	1622	2607	4568	
32/ 31	.1	.3	.2	.1	.0	.0																											1257	1262	2220	4380	
30/ 29	.1	.2	.1	.1	.0																												884	885	1539	3512	
28/ 27	.0	.2	.1	.0	.0																												626	632	1043	2944	
26/ 25	.0	.1	.1	.0	.0																												455	461	706	2094	
24/ 23	.0	.1	.1	.0																													324	324	482	1915	
22/ 21	.0	.1	.0	.0																													193	193	377	1467	
20/ 19	.0	.1	.0	.0																													144	144	239	1172	
18/ 17	.0	.0	.0																														166	166	190	821	
16/ 15	.0	.0	.0																														90	90	131	614	
14/ 13	.0	.0	.0																														47	47	84	403	
12/ 11	.0	.0	.0																														30	30	55	309	
10/ 9	.0	.0	.0																														21	21	32	199	
8/ 7	.0	.0																															6	6	14	211	
6/ 5	.0																																1	1		166	
4/ 3																																			1	116	
2/ 1	.0	.0																															2	2	1	86	
0/- 1	.0																																1	1	2	34	
2/- 3	.0																																1	1	1	23	
4/- 5	.0																																4	4	4	31	
6/- 7	.0																																4	4	4	16	
8/- 9																																				13	
10/- 11																																				19	
12/- 13																																				3	
14/- 15																																				1	
16/- 17																																				1	
18/- 19																																				1	
TOTAL	3.6	17.1	17.2	13.7	10.5	8.7	7.0	5.9	4.9	3.8	2.9	2.0	1.3	.7	.3	.1	.1																171051	170844			
																																			170836	170843	

Element (X)	Σx	Σx^2	\bar{x}	s_x	No. Obs	Mean No. of Hours with Temperature							Total
Rel Hum	816020203	11284391	66.1	20.338	170841	< 0 F	> 32 F	> 67 F	> 73 F	80 F	> 93 F		
Dry Bulb	817755743	11456827	66.9	17.163	171051	.5	219.0	4860.9	3762.2	2228.8	465.3	8760.0	
Wet Bulb	630850504	10101026	59.1	14.030	170843	.6	365.1	3548.6	1771.7	15.2		8760.0	
Dew Point	535287814	9177086	53.7	15.740	170844	7.2	1081.3	2348.0	419.7	1.0		8760.0	

1210 WS FORM 0-20-5 (Oct 50) REVISED PER OUR EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 1 ALL
HOURS (L S T)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JAN
MON'TH

PAGE 2 ALL
HOURS L S T

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB / WB	Dry Bulb	Wet Bulb	Dew Point	
20/ 19	.1	.4	.2	.0																													111	111	136	349	
18/ 17	.4	.4	.2																														147	147	158	245	
16/ 15	.1	.3	.1																														69	69	107	228	
14/ 13	.0	.2	.1																														38	38	63	191	
12/ 11	.0	.1	.0																														22	22	46	130	
10/ 9	.0	.0	.0																														12	12	20	79	
8/ 7	.0	.0																															2	2	10	101	
6/ 5		.0																															1	1		72	
4/ 3																																			1	62	
2/ 1	.0	.0																															2	2	1	63	
0/- 1	.0																																1	1	2	22	
2/- 3	.0																																1	1	1	20	
4/- 5	.0																																4	4	4	28	
6/- 7	.0																																4	4	4	15	
8/- 9																																				10	
10/-11																																				19	
12/-13																																				3	
14/-15																																				1	
TOTAL	11.129	9.21	1.91	4.0	8.8	5.6	3.9	2.4	1.2	.6	.3	.1	.1	.0	.0	.0																	14069	14069	14026		
																																		14025	14025		

Element (X)	ΣX	ΣX^2	\bar{X}	σ^2	No Obs.	Mean No. of Hours with Temperature						Total
						< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	
Rel Hum	77598210	1003700	71.6	20.289	14026							
Dry Bulb	33313308	657266	46.7	13.612	14069	.5	107.9	62.8	15.5	1.7		744.0
Wet Bulb	27363738	595148	42.4	12.277	14028	.6	159.2	13.1				744.0
Dew Point	22026763	517523	36.9	14.458	14026	6.3	290.4	3.1				744.0

FORM 0 26 5 (0+ 53) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

FEB
MONTH

PAGE 1 ALL
HOURS 1 5 11

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D B / W B	Dry Bulb	Wet Bulb	Dew Point
90/ 89																																	2	2		
88/ 87																																	6	6		
86/ 85																	.0	.0							.0	.0	.0	.0				16	16			
84/ 83													.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				17	17			
82/ 81												.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				27	27			
80/ 79								.0	.0	.1	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				46	46			
78/ 77							.0	.1	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0				68	68			
76/ 75				.0	.1	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0				152	152				
74/ 73				.0	.1	.3	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0				175	175				
72/ 71		.0	.1	.5	.3	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1				268	268	6	1		
70/ 69		.1	.5	.5	.2	.3	.2	.1	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0				319	319	42	1		
68/ 67	.0	.4	.8	.4	.2	.2	.2	.3	.2	.3	.2	.3	.2	.2	.1	.2	.2	.2	.1	.2	.2	.1	.1	.1	.1	.1	.1				400	401	143	27		
66/ 65	.2	1.3	.8	.5	.4	.3	.3	.4	.3	.4	.3	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				607	607	351	135		
64/ 63	.2	1.3	.7	.3	.3	.3	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				541	541	446	363		
62/ 61	.5	1.1	.7	.5	.4	.6	.5	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				643	643	507	461		
60/ 59	.4	1.4	.7	.7	.7	.6	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				715	716	481	397		
58/ 57	.5	1.2	.7	.6	.5	.5	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				629	630	591	443		
56/ 55	.5	1.3	.6	.7	.7	.7	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				698	702	582	439		
54/ 53	.4	1.1	1.0	.7	.7	.7	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				657	659	670	428		
52/ 51	.6	1.3	.9	.8	.8	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				703	703	768	506		
50/ 49	.7	1.5	1.3	1.1	1.0	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				807	807	848	514		
48/ 47	.3	1.6	1.4	1.1	.9	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				745	745	776	516		
46/ 45	.5	1.9	1.4	1.4	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				802	802	928	631		
44/ 43	.6	1.8	1.8	.9	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				730	730	973	715		
42/ 41	.4	1.4	1.3	.9	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				578	578	861	679		
40/ 39	.5	1.6	1.5	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				600	600	897	781		
38/ 37	.5	1.6	1.2	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				529	529	701	812		
36/ 35	.5	1.3	1.1	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				425	425	666	850		
34/ 33	.3	1.1	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				291	291	482	765		
32/ 31	.2	1.0	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				231	231	417	734		
30/ 29	.2	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				135	135	275	631		
28/ 27	.2	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				127	127	171	557		
26/ 25	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				79	79	131	420		
24/ 23	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				41	41	67	301		
Element (X)	Σx			Σx			\bar{x}			σ_x			No Obs			Mean No of Hours with Temperature										Total										
Rel Hum																0 F - 32 F - 67 F - 73 F - 80 F - 93 F																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

1210 WS
FORM 100M JUL 54
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928 WACO TEXAS/JAMES CONNALLY AFB
STATION STATION NAME

43-45,49-64
YEARS

FEB
MONTH

PAGE 2 ALL
HOURS LST

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL DB /WB	TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	Dry Bulb	Wet Bulb	Dew Point
22/ 21			.1	.0																													18	18	36	218
20/ 19	.0	.1																															8	8	26	165
18/ 17		.0																															2	2	5	121
16/ 15	.0	.0																															10	10	8	97
14/ 13	.0	.0																															6	6	7	42
12/ 11	.0	.0																															8	8	7	39
10/ 9	.1																																9	9	12	30
8/ 7	.0																																4	4	4	17
6/ 5																																				16
4/ 3																																				17
2/ 1																																				4
0/-1																																				2
TOTAL	9.0	27.0	20.5	13.7	9.8	6.9	4.7	3.3	2.1	1.3	.8	.4	.2	.1	.1	.0	.0																12883		12875	
																																		12874		12875

FORM 0-26 5 (Oct 50) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
1210 WS JUL 64

Element (X)	Σx	Σx^2	\bar{x}	σ_x	No Obs	Mean No of Hours with Temperature						Total
Rel Hum	69800077	908529	70.6	21.022	12875	< 0 F	< 32 F	< 67 F	> 73 F	> 80 F	> 93 F	
Dry Bulb	36275518	665242	51.6	12.222	12883		35.4	78.1	26.5	4.9		672.0
Wet Bulb	29282440	598838	46.5	10.537	12875		60.9	10.0				672.0
Dew Point	23630633	527625	41.0	12.490	12875		.1	178.0	1.5			672.0

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

MAR
MONTH

PAGE 1 ALL
HOURS LST

FORM 1210 WS JUL 64 3-26 5 (Of 5) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																									
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB/WB	Dry Bulb	Wet Bulb	Dew Point																							
94/ 93																																		1	1																								
92/ 91																							.0										3	3																									
90/ 89																			.0	.0	.0					.0						10	10																										
88/ 87																	.0	.0	.0	.0					.0	.0	.0	.0		.0	.0	14	14																										
86/ 85													.1	.0	.1	.1	.1	.1	.1	.0			.0	.0	.0	.0	.0	.0				38	38																										
84/ 83												.1	.1	.1	.1	.1	.0	.0	.0	.1	.0				.1	.0						79	79																										
82/ 81									.1	.1	.2	.1	.1	.1	.1	.1	.0	.1	.0													133	133																										
80/ 79						.0	.1	.3	.2	.2	.2	.2	.2	.1	.2	.1	.0	.0									.0	.0				218	218																										
78/ 77					.1	.4	.3	.2	.2	.1	.1	.2	.1	.1	.1	.1	.0															255	255																										
76/ 75				.0	.3	.4	.4	.2	.2	.2	.3	.2	.1	.1																		328	328																										
74/ 73	.0	.0	.2	.6	.5	.3	.3	.2	.3	.3	.3	.3	.3	.0																		451	451	3	1																								
72/ 71		.2	.6	.6	.5	.4	.3	.2	.2	.3	.3	.3	.3	.0																		550	553	83	3																								
70/ 69	.0	.6	1.1	.8	.4	.4	.3	.4	.3	.3	.3	.3	.1																			695	700	310	49																								
68/ 67	.1	1.1	1.1	.7	.4	.5	.4	.5	.4	.3	.3	.3	.1	.0																		809	812	537	244																								
66/ 65	.2	1.4	1.0	.6	.5	.4	.4	.7	.4	.4	.1	.0																				865	876	654	480																								
64/ 63	.2	1.3	.9	.4	.5	.5	.6	.5	.4	.2	.0																					769	777	729	601																								
62/ 61	.3	1.4	.8	.5	.5	.6	.6	.5	.5	.1	.0																					804	821	676	6 5																								
60/ 59	.4	1.2	.7	.7	.5	.8	.6	.5	.3	.0																						797	811	742	618																								
58/ 57	.4	1.1	.8	.8	.8	.6	.5	.4	.2	.0																						778	784	742	584																								
56/ 55	.2	1.2	1.0	.9	1.0	.8	.5	.3	.0																							840	857	758	482																								
54/ 53	.3	1.1	.9	1.0	.9	.7	.5	.2	.0																							787	801	873	551																								
52/ 51	.2	1.3	.9	1.0	.7	.6	.4	.1	.0																							738	745	962	554																								
50/ 49	.2	1.0	1.1	1.3	.8	.7	.3	.0																								752	758	996	637																								
48/ 47	.2	.7	1.2	1.0	.8	.4	.1	.0																								597	607	989	577																								
46/ 45	.3	1.0	1.0	1.2	.7	.2	.1	.0																								627	630	932	623																								
44/ 43	.2	.8	1.1	.8	.5	.1	.0																									487	492	825	705																								
42/ 41	.1	.7	.9	.7	.3	.1	.0																									393	395	759	700																								
40/ 39	.1	.6	.8	.5	.3	.1																										324	333	689	743																								
38/ 37	.0	.5	.6	.4	.1	.0																										240	244	490	697																								
36/ 35	.0	.5	.5	.3	.1	.0																										178	181	396	718																								
34/ 33	.2	.6	.4	.2	.0																											190	190	292	649																								
32/ 31	.1	.2	.2	.2	.0																											95	95	233	605																								
30/ 29	.0	.2	.1	.1																												62	62	133	518																								
28/ 27	.0	.1	.1	.0																												31	31	80	457																								
Element (X)	ΣX																															No. Obs				Mean No. of Hours with Temperature																							
Rel Hum																																0 F				32 F				67 F				73 F				80 F				93 F				Total			
Dry Bulb																																																											
Wet Bulb																																																											
Dew Point																																																											

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

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HOURS LST

FORM 1210 WS JUL 64 0-26 5 (Det 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB	WB	Dry Bulb	Wet Bulb	Dew Point		
26/ 25				.1	.1	.0																												21	21	49	442		
24/ 23				.0	.0	.0																												12	12	31	296		
22/ 21				.0	.0																													4	4	13	205		
20/ 19					.0	.0																												3	3	10	140		
18/ 17					.0																													3	3	7	109		
16/ 15					.0																														3	3	4	78	
14/ 13																																					5	55	
12/ 11																																					29		
10/ 9																																					23		
8/ 7																																					26		
6/ 5																																					21		
4/ 3																																					4		
2/ 1																																					9		
0/- 1																																					2		
2/- 3																																					1		
4/- 5																																					1		
8/- 9																																					1		
TOTAL	3.9	18.9	18.3	15.6	11.6	9.2	6.6	5.2	3.8	2.7	2.2	1.3	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14131	13985	13985			

Element (X)	Σ X²	Σ X	X̄	σx	No Obs	Mean No. of Hours with Temperature						Total
						< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	93 F	
Rel Hum	64886654	901282	64.4	22.055	13985							
Dry Bulb	49074306	815260	57.7	12.014	14131		12.3	189.3	80.6	19.7	.1	744.0
Wet Bulb	37657684	710814	50.8	10.457	13985		30.2	49.6	.2			744.0
Dew Point	29667312	615706	44.0	13.531	13985	.3	160.8	15.8	.1			744.0

Element (X)	ΣX	ΣX^2	\bar{X}	σ_x	No Obs	Mean No. of Hours with Temperature						Total
Rel Hum	64886654	901282	64.4	22.055	13985	< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	93 F	
Dry Bulb	49074306	815260	57.7	12.014	14131		12.3	189.3	80.6	12.7	.1	744.0
Wet Bulb	37657684	710814	50.8	10.457	13985		30.2	49.6	.2			744.0
Dew Point	29667312	615706	44.0	13.531	13985		.3	160.8	15.8	.1		744.0

PSYCHROMETRIC SUMMARY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64

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PSYCHROMETRIC SUMMARY

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HOURS 1 5 1

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D B / W B	Dry Bulb	Wet Bulb	Dew Point
30/ 29																																			3	130
28/ 27																																				89
26/ 25																																				77
24/ 23																																				51
22/ 21																																				34
20/ 19																																				20
18/ 17																																				18
16/ 15																																				5
14/ 13																																				5
12/ 11																																				3
6/ 5																																				1
TOTAL	2.9	17.2	18.0	14.5	11.0	9.5	7.9	6.1	4.9	3.0	2.2	1.4	.8	.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	13675	13675	

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No Obs	Mean No. of Hours with Temperature						Total
						0 F	32 F	67 F	73 F	80 F	93 F	
Rel Hum	66404412	909214	66.5	20.866	13675							
Dry Bulb	61462017	905999	66.2	10.284	13677			370.1	200.9	74.7	.6	720.0
Wet Bulb	4639880	803450	58.8	8.698	13675			6.1	155.2	11.7		720.0
Dew Point	40480658	727198	53.2	11.506	13675			36.4	65.0	1.0		720.0

PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

42-45, 49-64

MAY
MONTH

PAGE 2 ALL
HOURS 1 5 T 1

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
32/ 31																																					12
30/ 29																																					4
28/ 27																																					1
26/ 19																																					1
TOTAL	2.2	13.8	18.3	14.0	11.2	9.6	8.3	7.3	6.1	4.3	2.6	1.3	.5	.3	.2	.1	.0																	14552	14553		
																																		14551	14551		
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No Obs	Mean No. of Hours with Temperature						Total																									
Rel Hum	72770178	994256	68.3	18.227	14551	≤ 0 F	≤ 32 F	< 67 F	< 73 F	< 80 F	> 93 F	744.0																									
Dry Bulb	81775869	1083079	74.4	8.945	14552			601.0	430.4	222.8	7.1	744.0																									
Wet Bulb	64704712	966264	66.4	6.090	14551			416.6	99.8	.2		744.0																									
Dew Point	56950518	904052	62.1	7.366	14553			.9	229.9	17.5		744.0																									

FORM 210 WS 0 26 5 (Dot 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

13928

42-45, 49-64

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STATION

STATION NAME

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HOURS L S T

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
102/101																										.0	.0					.0	.0	14	14				
100/ 99																										.1	.1	.1	.0					.0	.0	49	49		
98/ 97																	.0	.1	.2	.4	.3	.1	.0										.0	.0	172	172			
96/ 95														.0	.3	.6	1.3	.8	.2	.1															463	463			
94/ 93										.0	.0	.2	.8	1.7	1.4	.6	.1	.0																	712	712			
92/ 91					.0		.0	.2	.7	2.0	1.9	1.0	.2	.1	.0																				900	900			
90/ 89						.0	.2	.8	1.8	2.0	1.2	.4	.1	.1	.0																				951	951			
88/ 87						.1	.5	1.7	1.9	1.4	.6	.1	.1	.0																					933	933			
86/ 85					.1	.5	1.8	2.3	1.4	.6	.2	.1	.0																						1033	1033	1	1	
84/ 83		.0	.0	.3	1.4	2.5	1.5	.7	.3	.1	.0																								983	983	1		
82/ 81			.3	1.3	2.5	1.8	.9	.4	.1	.1	.0	.0																							1057	1057	20	2	
80/ 79		.1	1.4	3.0	2.6	1.1	.5	.1	.1	.1	.0																								1295	1295	245	6	
78/ 77	.0	1.0	3.4	3.2	1.5	.6	.2	.1	.1	.0																									1446	1446	1040	93	
76/ 75	.0	2.2	3.9	2.2	.9	.3	.1	.1	.1																										1412	1412	2798	439	
74/ 73	.2	1.9	2.9	1.4	.5	.2	.1	.1	.0																										1022	1023	3489	1436	
72/ 71	.1	2.0	1.9	.9	.3	.1	.1	.0	.0																										791	791	2730	2568	
70/ 69	.1	1.4	1.4	.4	.1	.1	.0	.0																											491	491	1809	2964	
68/ 67	.2	1.1	.7	.1	.1	.0	.0																												336	336	1034	2508	
66/ 65	.1	.7	.3	.1	.0	.0																													172	172	617	1828	
64/ 63	.1	.3	.1	.1	.0																														84	84	287	1139	
62/ 61	.0	.1	.1	.0	.0																														37	37	156	617	
60/ 59	.0	.0	.1	.0																															20	20	93	288	
58/ 57	.0	.1	.0	.0																															13	13	40	156	
56/ 55	.0																																		1	1	18	143	
54/ 53	.0																																		1	1	8	90	
52/ 51																																						52	
50/ 49																																						42	
48/ 47																																						13	
46/ 45																																						3	
TOTAL	.811.116.513.210.5 9.1 8.4 7.5 7.7 6.6 4.7 2.3 1.0 .4 .1 .0 .0																															14389	14388	14388	14388				

Element (X)	Σx	Σx^2	\bar{x}	s^2	No Obs	Mean No. of Hours with Temperature						Total
Rel Hum	68756005	961799	66.8	17.612	14388	< 6 F	< 32 F	> 67 F	> 73 F	> 80 F	> 93 F	
Dry Bulb	26193040	1170832	81.4	8.007	14389			703.6	622.6	399.5	70.6	720.0
Wet Bulb	75094304	1037972	72.1	3.852	14388			659.0	380.1	5.7		720.0
Dew Point	67039517	980007	68.1	4.478	14388			501.3	98.9	.2		720.0

FORM 3-20-50
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
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FORM 1210 W-5 JUL 64 0-26.5 (Det 73) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB/WB	Dry Bulb	Wet Bulb	Dew Point
110/109																																.0	2	2		
108/107																																.0	4	4		
106/105																											.0	.0	.1	.1	.0	.0	16	16		
104/103																										.0	.0	.1	.1	.0	.0	46	46			
102/101																				.0	.0	.2	.3	.3	.1	.0	.0	.2	.3	.1	.0	144	144			
100/ 99																			.0	.2	.5	.8	.5	.4	.1	.0	.5	.4	.1	.0	372	372				
98/ 97											.0	.0	.1	.2	1.0	2.4	1.8	.9	.1	.0							.7	.1	.0		694	694				
96/ 95										.0	.0	.1	.2	1.0	2.4	1.8	.9	.1	.0								.1	.0			977	977				
94/ 93										.0	.0	.2	.9	1.9	1.8	.9	.3	.1									.9	.3	.1		905	906				
92/ 91										.0	.1	.9	2.1	1.6	.8	.3	.1	.0	.0								.0	.0			831	881				
90/ 89						.0		.1	.8	2.2	2.0	1.2	.4	.1	.0												.1	.0			1020	1020				
88/ 87				.0		.1	.7	2.1	2.0	1.2	.4	.1	.0	.0																		990	990			
86/ 85			.0	.0	.6	2.0	2.3	1.3	.4	.2	.0	.0																				1027	1028	4		
84/ 83			.0	.3	1.6	3.0	1.4	.6	.2	.0	.0																					1081	1081	10	1	
82/ 81		.0	.2	1.7	3.0	2.0	.7	.2	.1	.0																						1192	1192	27	7	
80/ 79		.1	1.6	4.1	2.5	.9	.3	.1	.0	.0																						1438	1438	252	11	
78/ 77		1.1	4.3	3.2	1.4	.4	.1	.0	.0																							1562	1562	1421	46	
76/ 75	.1	2.7	3.5	1.6	.4	.2	.0		.0																							1280	1281	3983	408	
74/ 73	.1	2.4	1.8	.5	.2	.1	.0	.0																								771	773	4503	1865	
72/ 71	.1	1.0	.6	.2	.1	.1	.0																									328	328	2804	3340	
70/ 69	.0	.4	.2	.1	.0	.0																										114	114	1254	3111	
68/ 67	.1	.0	.0	.0	.0																											23	23	381	2354	
66/ 65	.0	.0																														3	3	153	1576	
64/ 63																																			46	940
62/ 61																																			16	601
60/ 59																																			17	309
58/ 57																																				166
56/ 55																																				55
54/ 53																																				51
52/ 51																																				24
50/ 49																																				3
48/ 47																																				2
TOTAL	.3	7.9	12.2	11.9	10.0	9.7	8.0	7.7	7.3	6.5	6.4	5.1	3.8	1.7	1.0	.4	.1															14875	14870	14870		
																																	14870	14871		
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No Obs		Mean No. of Hours with Temperature										Total															
Rel Hum	62460524		922408		62.0		18.777		14870		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total													
Dry Bulb	107755440		1260488		84.7		7.964		14875						743.9		720.6		508.0		158.1		744.0													
Wet Bulb	80515447		1093477		73.5		2.734		14871						732.3		510.3		6.2				744.0													
Dew Point	70483551		1021969		68.7		4.074		14870						557.5		117.0		.7				744.0													

PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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FORM 0-26 5 (Dot 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

13928
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WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64

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Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
106/105																																	1	1		
104/103																																	16	16		
102/101																																	22	22		
100/99																																	47	47		
93/97																																	115	115		
96/95																																	313	313		
94/93																																	492	492		
92/91																																	568	568		
90/89																																	739	739		
88/87																																	727	727		
86/85																																	770	770		
84/83																																	822	822		
82/81																																	902	902	4	1
80/79																																	1139	1139	36	1
78/77																																	1190	1191	492	22
76/75																																	1509	1509	1658	241
74/73																																	1215	1215	2212	1143
72/71																																	994	994	1974	1436
70/69																																	817	817	1913	1639
68/67																																	623	623	1342	1650
66/65																																	481	481	1178	1426
64/63																																	285	285	1015	1228
62/61																																	235	235	783	967
60/59																																	150	150	643	861
58/57																																	102	102	410	807
56/55																																	75	75	322	735
54/53																																	23	23	213	568
52/51																																	10	10	101	485
50/49																																	4	4	48	305
48/47																																	3	3	23	230
46/45																																	3	3	15	183
44/43																																			7	135
42/41																																	2	2	5	106
40/39																																			2	84
Element (X)	Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X	
Rel Hum																																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

SEP
MONTH

PAGE 2 ALL
HOURS (L S T)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D B / W B	Dry Bulb	Wet Bulb	Dew Point	
38/ 37																																				2	56
36/ 35																																					40
34/ 33																																					27
32/ 31																																					15
30/ 29																																					2
28/ 27																																					2
TOTAL	1.2	11.4	14.2	12.4	10.1	9.2	8.2	7.6	6.8	5.9	4.8	3.4	2.4	1.5	.5	.2	.2																	14395	14395		
																																			14394	14394	

Element (X)	ΣX	ΣX^2	\bar{X}	σ_x	No. Obs	Mean No. of Hours with Temperature						Total
Rel Hum	63425448	913450	63.5	20.173	14394	< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	93 F	
Dry Bulb	89442256	1126956	78.3	9.188	14395			651.3	529.6	306.3	50.3	720.0
Wet Bulb	67874733	984393	68.4	6.198	14394			481.5	220.2	.7		720.0
Dew Point	58488319	909713	63.2	8.325	14395			1.0	306.8	70.4	.1	720.0

1094 JUL 64 0 26 5 (Def 50) REV SEP PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
1210 WS

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

OCT
MONTH

PAGE 1 ALL
HOURS & S T

T mp °F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL													
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB °W B	Dry Bulb	Wet Bulb	Dew Point											
96/ 95																		.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	16														
94/ 93																		.0	.1	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	31	31														
92/ 91														.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	97	97													
90/ 89												.1	.3	.3	.3	.3	.3	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	198	198													
88/ 87										.0	.2	.3	.3	.3	.3	.3	.3	.3	.2	.1	.2	.1	.0									256	256														
86/ 85									.0	.2	.3	.3	.3	.3	.3	.3	.4	.3	.3	.3	.3	.1	.1	.0								364	364														
84/ 83						.0	.1	.5	.4	.3	.4	.4	.4	.4	.4	.4	.4	.4	.2	.2	.2	.1	.0									454	454														
82/ 81			.0	.2	.4	.4	.5	.7	.6	.4	.3	.2	.2	.1				.3	.2	.2	.1											583	583														
80/ 79		.0	.1	.5	.6	.5	.6	.5	.5	.5	.4	.3	.2	.2	.0			.4	.3	.2	.2	.0										658	658	1													
78/ 77		.1	.7	.6	.6	.6	.6	.6	.6	.6	.5	.2	.3	.0	.0			.5	.2	.3	.0	.0										801	801	42	4												
76/ 75	.0	.7	1.1	.7	.7	.7	.7	.4	.5	.5	.5	.5	.3	.1	.0			.5	.3	.1	.0											961	961	308	26												
74/ 73	.1	1.3	1.0	.8	.7	.7	.6	.5	.4	.4	.4	.3	.1	.0				.4	.3	.1	.0											1014	1014	635	227												
72/ 71	.1	1.0	1.2	.9	.9	.9	.5	.6	.4	.4	.4	.2	.0					.4	.2	.0												1006	1006	785	567												
70/ 69	.1	1.4	1.4	1.3	.7	.6	.6	.5	.3	.2	.1	.0						.6	.6	.2	.1	.0										1092	1092	891	656												
68/ 67	.1	1.5	1.5	.9	.7	.5	.5	.5	.3	.1	.1	.0						.5	.3	.1	.0											1018	1018	1173	768												
66/ 65	.3	1.9	1.4	.8	.7	.7	.5	.5	.2	.1	.0							.5	.2	.1	.0											1065	1066	1304	828												
64/ 63	.3	1.4	1.2	.9	.6	.6	.4	.3	.2	.1	.0							.4	.2	.1	.0											904	904	1376	982												
62/ 61	.2	1.2	.9	.8	.7	.5	.4	.2	.1	.0								.4	.2	.1	.0											755	755	1162	1040												
60/ 59	.1	1.0	.9	1.0	.7	.5	.3	.2	.1	.0								.3	.2	.1	.0											713	714	1161	999												
58/ 57	.2	.9	1.2	.9	.6	.4	.3	.1	.0									.3	.1	.0												687	687	1018	779												
56/ 55	.1	1.1	1.0	.8	.5	.4	.2	.1	.0									.4	.2	.1	.0											622	622	1015	893												
54/ 53	.1	.8	1.0	.6	.4	.3	.0	.0										.3	.0	.0												470	470	967	872												
52/ 51	.1	.8	.7	.5	.4	.2	.1	.0										.3	.1	.0												408	408	819	919												
50/ 49	.1	.4	.4	.4	.3	.1	.0											.3	.1	.0												257	257	681	855												
48/ 47	.0	.3	.3	.3	.1	.1	.0											.3	.1	.0												171	171	497	783												
46/ 45	.0	.2	.3	.2	.1	.0	.0											.3	.1	.0												116	116	380	734												
44/ 43	.0	.1	.2	.1	.0	.0												.3	.1	.0												72	72	256	505												
42/ 41	.0	.1	.1	.0	.0													.3	.1	.0												35	35	181	509												
40/ 39	.0	.0	.1	.0	.0													.3	.1	.0												28	28	105	408												
38/ 37	.0	.0	.0	.0	.0													.3	.1	.0												12	12	61	394												
36/ 35	.1																	.3	.1	.0												10	10	38	294												
34/ 33																		.3	.1	.0															13	246											
32/ 31																		.3	.1	.0															4	208											
30/ 29																		.3	.1	.0															1	115											
Element (X)	ΣX																															\bar{X}		σ_x		No. Obs		Mean No. of Hours with Temperature							Total		
Rel Hum																																															
Dry Bulb																																															
Wet Bulb																																															
Dew Point																																															

FORM 1210 WS JUL 64 0 26 5 (Det 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

OCT
MONTH

PAGE 2 ALL
HOURS 51

Temp (F)	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL		
	WET BULB TEMPERATURE DEPRESSION (F)																															D B / W B	Dry Bulb	Wet Bulb	Dew Point
28/ 27																																		78	
26/ 25																																		51	
24/ 23																																		52	
22/ 21																																		30	
20/ 19																																		18	
18/ 17																																		15	
16/ 15																																		8	
14/ 13																																		8	
12/ 11																																		4	
TOTAL	2.0	16.3	16.7	13.4	10.5	9.0	7.6	6.9	5.7	4.6	3.0	1.8	1.2	.6	.4	.1	.0																14876	14875	
																																		14874	14874
Element (X)	Σx^2	Σx	\bar{x}	s^2	No Obs	Mean No. of Hours with Temperature											Total																		
Rel Hum	68996008	962018	64.7	21.349	14875	< 0 F	< 32 F	< 67 F	< 73 F	80 F	93 F																								
Dry Bulb	71222939	1017111	68.4	10.629	14876			427.5	271.7	117.6	2.4	744.0																							
Wet Bulb	54875410	894250	60.1	8.645	14874			3	191.8	49.3		744.0																							
Dew Point	45719857	807073	54.2	11.392	14875			29.4	112.4	12.9		744.0																							

FORM 1270 WS JUL 64 0 26-5 (Def 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44,49-64
YEARS

NOV
MONTH

PAGE 1 ALL
HOURS (L S T)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D B / W B	TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	Dry Bulb	Wet Bulb	Dew Point
90/ 89																			.0	.0													3	3		
88/ 87																			.0	.0					.0	.0	.0	.0					12	12		
86/ 85													.0	.1	.2				.0	.0			.0	.0	.0	.0	.0	.0					35	35		
84/ 83											.0	.1	.1	.1	.1				.0	.0			.0	.0	.0	.0	.0	.0					63	63		
82/ 81									.0	.1	.3	.2	.2	.1	.1	.0			.1	.1			.0	.0	.0	.0	.0						140	140		
80/ 79						.0	.2	.3	.3	.2	.2	.2	.1	.1	.1	.1			.1	.1			.1	.0	.0	.0							203	203		
78/ 77				.0	.2	.3	.5	.3	.2	.1	.1	.1	.1	.1	.1	.0			.1	.1			.1	.0	.0								267	267		
76/ 75		.0	.2	.4	.5	.3	.3	.2	.2	.2	.2	.1	.1	.1	.0	.0			.0	.0			.0	.0									335	335		
74/ 73		.1	.4	.5	.4	.3	.3	.3	.3	.3	.3	.3	.1	.1	.1	.0			.0	.0			.0	.0									411	411	26	
72/ 71		.4	.9	.6	.4	.4	.3	.3	.3	.3	.3	.3	.1	.0	.0	.0			.0	.0			.0	.0									543	543	177	17
70/ 69	.0	.7	1.0	.5	.3	.3	.4	.4	.3	.3	.3	.1	.0	.0	.0	.0			.0	.0			.0	.0									600	600	388	148
68/ 67	.0	.9	1.0	.5	.4	.4	.3	.4	.4	.3	.4	.4	.3	.1	.0	.0			.0	.0			.0	.0									662	662	540	310
66/ 65	.1	1.0	.7	.5	.5	.4	.4	.5	.4	.2	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0									652	652	569	438
64/ 63	.1	.7	.6	.6	.4	.5	.4	.5	.3	.2	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0									607	607	530	139
62/ 61	.2	1.1	.7	.5	.6	.4	.6	.4	.3	.1	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0									666	666	508	461
60/ 59	.2	1.5	.9	.6	.7	.6	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0									811	811	645	491
58/ 57	.3	1.4	.7	.8	.7	.8	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0									799	799	749	526
56/ 55	.3	1.3	.8	.9	1.0	1.1	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0									864	864	748	591
54/ 53	.3	1.0	1.0	.9	1.0	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0									777	777	742	569
52/ 51	.2	1.2	1.0	1.0	1.0	.7	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0									759	759	804	489
50/ 49	.4	1.0	1.1	1.2	.8	.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0									751	751	907	519
48/ 47	.2	1.1	1.3	1.0	.9	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0									680	680	975	563
46/ 45	.3	1.7	1.4	1.0	.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0									759	759	1001	633
44/ 43	.1	.9	1.3	.9	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0									563	563	960	758
42/ 41	.2	.8	.9	.8	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0									445	445	759	692
40/ 39	.1	.8	1.1	.8	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0									428	428	736	767
38/ 37	.1	.7	.6	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0									268	268	563	865
36/ 35	.2	.8	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0									238	238	496	729
34/ 33	.0	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0									132	132	326	645
32/ 31	.0	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0									87	87	193	670
30/ 29	.0	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0									58	58	132	577
28/ 27	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0									40	40	0	205
26/ 25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			.0	.0			.0	.0									10	10	65	278
Element (X)	Σx																															Mean No. of Hours with Temperature				
Rel Hum																																Total				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

FORM 1210 WS JUL 64 U 26 S (Det 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 40-64
YEARS

NOV
MONTH

PAGE 2 ALL
HOURS 1 3 17

FORM 1210 WS JUL 54 0 26 5 10 501 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp (F)	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL		TOTAL		
																																		DB /WB	Dry Bulb	Wet Bulb	Dew Point
24/ 23																																	5	5	15	243	
22/ 21																																	2	2	22	105	
20/ 19																																	1	1	4	147	
18/ 17																																				124	
16/ 15																																				75	
14/ 13																																				33	
12/ 11																																				41	
10/ 9																																				18	
8/ 7																																				10	
6/ 5																																				12	
4/ 3																																				6	
2/ 1																																				5	
0/- 1																																				3	
2/- 3																																				1	
4/- 5																																				2	
6/- 7																																				1	
8/- 9																																				2	
TOTAL	3.4	20.0	18.0	9.1	5.6	12.5	9.8	7.6	5.5	3.4	2.2	.9	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13676	13676	13676		
																																		13676	13676		
																																		</			

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMAR

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44,48-64
YEARS

DEC
MONTH

PAGE 1 AL
HOURS 1 5 1

FORM 1210 WS JUL 64 0-26-5 (Ref 52) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp (F)	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL DB / WB	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point										
86/ 85																			.0	.0													1	1												
84/ 83																		.0	.0						.0								5	5												
82/ 81													.0					.0						.0	.0								9	9												
80/ 79									.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0							30	30													
78/ 77							.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.1	.1	.0								55	55													
76/ 75				.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0							96	96												
74/ 73		.0	.1	.1	.1	.1	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0							155	155													
72/ 71		.1	.2	.2	.2	.2	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0										197	197	11												
70/ 69	.0	.3	.4	.3	.2	.2	.2	.2	.1	.2	.2	.1	.2	.2	.1	.2	.2	.1	.2	.2	.1	.1										299	299	79	32											
68/ 67	.0	.5	.5	.2	.2	.2	.3	.2	.2	.2	.2	.2	.2	.1	.2	.1	.2	.1	.2	.1	.0	.0										352	352	120	56											
66/ 65	.1	.8	.4	.2	.2	.2	.2	.2	.3	.2	.2	.3	.2	.1	.3	.2	.1	.3	.0	.0	.0	.0										408	408	277	135											
64/ 63	.1	.7	.4	.3	.3	.3	.3	.3	.4	.3	.3	.4	.3	.3	.4	.3	.3	.0	.0	.0	.0	.0										456	456	319	242											
62/ 61	.3	.9	.5	.4	.4	.4	.4	.4	.4	.4	.4	.4	.3	.2	.1	.3	.2	.1	.3	.2	.1	.0										551	551	310	299											
60/ 59	.3	1.0	.5	.5	.4	.5	.4	.5	.4	.3	.1	.0	.0																			591	591	390	317											
58/ 57	.3	.9	.4	.4	.5	.6	.6	.5	.1	.0																						641	641	469	325											
56/ 55	.5	.7	.7	.5	.6	.7	.5	.3	.0																							651	651	519	352											
54/ 53	.3	1.2	.7	.8	.9	.7	.5	.2	.0																							778	778	500	324											
52/ 51	.5	1.3	.8	1.1	1.0	.6	.4	.1																								839	839	732	440											
50/ 49	.6	1.7	1.1	1.4	1.0	.8	.2	.0																								1002	1002	797	544											
48/ 47	.5	1.7	1.4	1.5	1.2	.5	.1	.0																								995	995	950	579											
46/ 45	.6	2.1	1.3	1.7	.9	.3	.0	.0																								999	999	1128	674											
44/ 43	.5	2.0	1.5	1.3	.7	.2	.0																									904	904	1134	690											
42/ 41	.6	1.9	2.0	1.2	.5	.0	.0																									919	919	1138	849											
40/ 39	.6	1.7	2.3	1.1	.4	.0																										903	903	1200	959											
38/ 37	.4	1.6	1.9	.9	.1																											714	714	1046	946											
36/ 35	.3	1.7	1.6	.5	.1																											611	611	891	953											
34/ 33	.1	1.0	1.1	.3	.1																											376	376	738	991											
32/ 31	.4	1.1	.8	.3	.0																											377	377	594	1005											
30/ 29	.1	1.0	.6	.2	.0																											277	277	414	846											
28/ 27	.1	.5	.4	.1																												169	169	301	727											
26/ 25	.0	.3	.2	.1																												102	102	183	663											
24/ 23	.1	.3	.2	.0																												82	82	133	495											
22/ 21	.1	.2	.2																													66	66	112	357											
20/ 19	.0	.1	.0																													21	21	63	262											
Element (X)	ΣX																																	\bar{X}				No. Obs	Mean No. of Hours with Temperature						Total	
Rel Hum																																								-0 F	-32 F	+67 F	+73 F	-80 F	-93 F	
Dry Bulb																																														
Wet Bulb																																														
Dew Point																																														

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44,48-64
YEARS

DEL
MONTH

PAGE 2 ALL
HOURS 1 5 11

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB /WB	Dry Bulb	Wet Bulb	Dew Point
18/ 17			.1	.0																													14	14	25	189
16/ 15			.0	.0																													8	8	12	123
14/ 13			.0																														3	3	9	89
12/ 11																																			2	63
10/ 9																																				49
8/ 7																																				49
6/ 5																																				44
4/ 3																																				27
2/ 1																																				5
0/- 1																																				5
- 2/- 3																																				1
TOTAL	7.4	27.4	22.1	15.5	10.0	6.8	4.6	3.1	1.7	.9	.4	.1	.0	.0																			14656	14656	14656	
																																		14656	14656	

FORM 0 26 5 (Det 71)
JUL 64
1210 WS
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	ΣX	ΣX^2	\bar{X}	σ^2	No. Obs	Mean No. of Hours with Temperature						Total
Rel Hum	77709419	1022393	69.8	20.044	14656	< 0 F	- 32 F	- 67 F	- 73 F	- 80 F	93 F	
Dry Bulb	37000733	716049	48.9	11.731	14656		56.8	60.9	17.8	1.4		744.0
Wet Bulb	29936103	644759	44.0	10.355	14656		93.8	10.7				744.0
Dew Point	23689177	560467	38.2	12.408	14656		.3	253.8	4.5			744.0

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,48-64

STATION		STATION NAME										YEARS											
HRS. (LST)		JAN	FEB.	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL									
00-02	MEAN	43.2	47.8	52.9	61.0	68.9	75.7	78.8	79.1	72.8	62.9	52.2	45.1	62.0									
	S D	11.877	10.415	9.903	8.102	6.029	4.337	3.644	4.265	5.803	8.095	10.261	10.008	15.151									
	TOTAL OBS	1767	1611	1766	1710	1818	1799	1858	1859	1800	1829	1708	1859	21414									
03-05	MEAN	41.5	45.9	50.7	58.8	66.6	73.2	76.1	76.1	70.4	60.5	50.2	43.3	59.7									
	S D	12.301	10.610	10.369	8.601	6.260	3.993	2.932	3.713	5.825	8.463	10.755	10.407	14.993									
	TOTAL OBS	1765	1611	1766	1710	1817	1800	1860	1858	1800	1860	1709	1859	21415									
06-08	MEAN	40.7	45.1	50.5	59.7	68.5	75.5	78.1	77.5	71.3	60.9	49.9	42.5	60.3									
	S D	12.594	10.690	10.449	8.610	6.433	4.764	3.667	4.319	6.267	8.618	10.920	10.659	15.994									
	TOTAL OBS	1767	1610	1766	1709	1817	1799	1858	1860	1799	1860	1710	1860	21415									
09-11	MEAN	46.0	51.2	57.9	67.5	76.2	83.4	86.8	86.9	80.7	70.8	58.0	48.9	68.2									
	S D	12.796	11.069	10.538	8.193	6.889	5.493	4.862	5.247	7.098	8.418	10.709	10.589	16.984									
	TOTAL OBS	1766	1611	1767	1710	1817	1799	1860	1860	1800	1859	1710	1859	21418									
12-14	MEAN	53.1	58.0	64.6	73.4	81.6	88.8	92.5	93.0	86.5	77.4	64.9	56.1	74.5									
	S D	13.906	12.250	11.230	8.881	7.376	5.854	5.381	5.791	7.407	8.668	11.337	11.485	16.883									
	TOTAL OBS	1767	1609	1767	1709	1821	1799	1860	1858	1799	1859	1710	1859	21417									
15-17	MEAN	54.6	59.9	66.8	75.0	83.0	89.9	93.9	94.3	87.5	78.0	65.5	57.1	75.8									
	S D	13.917	12.414	11.297	9.013	7.617	6.372	5.944	6.515	7.566	8.657	11.225	11.371	16.864									
	TOTAL OBS	1750	1611	1767	1710	1821	1799	1860	1860	1799	1860	1710	1826	21381									
18-20	MEAN	49.2	54.8	61.7	70.0	78.1	85.3	89.0	89.0	81.4	70.7	58.8	50.9	70.3									
	S D	12.357	10.891	10.440	8.387	7.183	6.299	6.251	6.538	7.254	8.223	10.081	9.889	16.606									
	TOTAL OBS	1740	1609	1765	1710	1821	1797	1860	1860	1800	1859	1710	1767	21298									
21-23	MEAN	45.4	50.4	56.4	64.5	72.4	79.2	82.6	82.8	75.8	65.7	54.7	47.2	65.1									
	S D	11.857	10.152	9.779	7.850	6.259	4.928	4.617	5.037	6.246	8.044	9.953	9.595	15.516									
	TOTAL OBS	1739	1611	1767	1709	1820	1797	1859	1857	1798	1860	1709	1767	21293									
ALL HOURS	MEAN	46.7	51.6	57.7	66.2	74.4	81.4	84.7	84.9	78.3	68.4	56.7	48.9	66.9									
	S D	13.615	12.222	12.014	10.284	8.945	8.007	7.964	8.414	9.188	10.629	12.097	11.731	17.163									
	TOTAL OBS	14059	12883	14131	13677	14552	14389	14875	14872	14395	14876	13676	14656	171051									

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,48-64

STATION

STATION NAME

YEARS

HRS (L S T)	JAN	FEB.	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN 40.6 S D 12.016 TOTAL OBS 1763	MEAN 44.7 S D 10.454 TOTAL OBS 1611	MEAN 48.6 S D 10.383 TOTAL OBS 1745	MEAN 56.6 S D 8.714 TOTAL OBS 1709	MEAN 64.5 S D 5.943 TOTAL OBS 1818	MEAN 70.6 S D 3.686 TOTAL OBS 1799	MEAN 72.3 S D 2.507 TOTAL OBS 1858	MEAN 71.6 S D 3.281 TOTAL OBS 1859	MEAN 66.8 S D 6.268 TOTAL OBS 1800	MEAN 58.1 S D 8.710 TOTAL OBS 1859	MEAN 48.3 S D 10.621 TOTAL OBS 1708	MEAN 42.0 S D 10.098 TOTAL OBS 1859	MEAN 57.3 S D 14.172 TOTAL OBS 21388
03-05	MEAN 39.4 S D 12.487 TOTAL OBS 1759	MEAN 43.3 S D 10.714 TOTAL OBS 1608	MEAN 47.4 S D 10.917 TOTAL OBS 1745	MEAN 55.4 S D 9.285 TOTAL OBS 1709	MEAN 63.6 S D 6.325 TOTAL OBS 1817	MEAN 69.9 S D 3.819 TOTAL OBS 1799	MEAN 71.6 S D 2.526 TOTAL OBS 1858	MEAN 71.0 S D 3.325 TOTAL OBS 1858	MEAN 66.1 S D 6.622 TOTAL OBS 1800	MEAN 57.0 S D 9.214 TOTAL OBS 1860	MEAN 47.0 S D 11.150 TOTAL OBS 1709	MEAN 40.7 S D 10.476 TOTAL OBS 1859	MEAN 56.3 S D 14.589 TOTAL OBS 21381
06-08	MEAN 38.7 S D 12.684 TOTAL OBS 1760	MEAN 42.7 S D 10.790 TOTAL OBS 1606	MEAN 47.2 S D 10.960 TOTAL OBS 1748	MEAN 56.0 S D 9.201 TOTAL OBS 1709	MEAN 64.6 S D 6.359 TOTAL OBS 1817	MEAN 71.0 S D 3.944 TOTAL OBS 1799	MEAN 72.8 S D 2.582 TOTAL OBS 1858	MEAN 71.9 S D 3.398 TOTAL OBS 1860	MEAN 66.7 S D 6.752 TOTAL OBS 1799	MEAN 57.2 S D 9.346 TOTAL OBS 1858	MEAN 46.8 S D 11.303 TOTAL OBS 1710	MEAN 40.1 S D 10.761 TOTAL OBS 1860	MEAN 56.6 S D 15.204 TOTAL OBS 21384
09-11	MEAN 42.1 S D 12.197 TOTAL OBS 1760	MEAN 46.3 S D 10.277 TOTAL OBS 1610	MEAN 51.2 S D 10.191 TOTAL OBS 1748	MEAN 59.6 S D 8.217 TOTAL OBS 1710	MEAN 67.4 S D 5.795 TOTAL OBS 1817	MEAN 73.2 S D 3.481 TOTAL OBS 1799	MEAN 74.7 S D 2.300 TOTAL OBS 1860	MEAN 74.2 S D 2.700 TOTAL OBS 1859	MEAN 70.0 S D 5.881 TOTAL OBS 1800	MEAN 61.7 S D 8.193 TOTAL OBS 1859	MEAN 51.1 S D 10.438 TOTAL OBS 1710	MEAN 44.1 S D 10.116 TOTAL OBS 1859	MEAN 59.9 S D 14.309 TOTAL OBS 21391
12-14	MEAN 46.1 S D 11.813 TOTAL OBS 1761	MEAN 49.8 S D 9.995 TOTAL OBS 1608	MEAN 54.1 S D 9.603 TOTAL OBS 1751	MEAN 61.7 S D 7.784 TOTAL OBS 1709	MEAN 68.7 S D 5.497 TOTAL OBS 1821	MEAN 74.0 S D 3.406 TOTAL OBS 1799	MEAN 75.2 S D 2.299 TOTAL OBS 1859	MEAN 74.7 S D 2.664 TOTAL OBS 1858	MEAN 70.8 S D 5.371 TOTAL OBS 1799	MEAN 63.6 S D 7.449 TOTAL OBS 1859	MEAN 54.1 S D 9.782 TOTAL OBS 1710	MEAN 48.0 S D 9.734 TOTAL OBS 1859	MEAN 62.0 S D 13.042 TOTAL OBS 21293
15-17	MEAN 46.7 S D 11.437 TOTAL OBS 1753	MEAN 50.7 S D 9.694 TOTAL OBS 1611	MEAN 54.8 S D 9.284 TOTAL OBS 1752	MEAN 62.1 S D 7.515 TOTAL OBS 1710	MEAN 68.9 S D 5.336 TOTAL OBS 1821	MEAN 73.9 S D 3.292 TOTAL OBS 1799	MEAN 74.9 S D 2.357 TOTAL OBS 1859	MEAN 74.2 S D 2.651 TOTAL OBS 1858	MEAN 70.4 S D 5.141 TOTAL OBS 1799	MEAN 63.3 S D 7.191 TOTAL OBS 1860	MEAN 54.2 S D 9.478 TOTAL OBS 1710	MEAN 48.4 S D 9.384 TOTAL OBS 1826	MEAN 62.1 S D 12.587 TOTAL OBS 21358
18-20	MEAN 44.0 S D 11.323 TOTAL OBS 1735	MEAN 48.4 S D 9.578 TOTAL OBS 1610	MEAN 52.8 S D 9.410 TOTAL OBS 1747	MEAN 60.4 S D 7.738 TOTAL OBS 1710	MEAN 67.6 S D 5.369 TOTAL OBS 1820	MEAN 72.9 S D 3.396 TOTAL OBS 1797	MEAN 73.9 S D 2.398 TOTAL OBS 1860	MEAN 73.1 S D 2.864 TOTAL OBS 1860	MEAN 68.8 S D 5.424 TOTAL OBS 1800	MEAN 61.0 S D 7.695 TOTAL OBS 1859	MEAN 51.5 S D 9.697 TOTAL OBS 1710	MEAN 45.5 S D 9.252 TOTAL OBS 1767	MEAN 60.3 S D 13.131 TOTAL OBS 21275
21-23	MEAN 41.9 S D 11.651 TOTAL OBS 1737	MEAN 46.2 S D 9.858 TOTAL OBS 1611	MEAN 50.4 S D 9.836 TOTAL OBS 1749	MEAN 58.2 S D 8.178 TOTAL OBS 1709	MEAN 65.9 S D 5.621 TOTAL OBS 1820	MEAN 71.6 S D 3.501 TOTAL OBS 1797	MEAN 72.9 S D 2.477 TOTAL OBS 1859	MEAN 72.1 S D 3.193 TOTAL OBS 1858	MEAN 67.5 S D 5.959 TOTAL OBS 1797	MEAN 59.1 S D 8.251 TOTAL OBS 1860	MEAN 49.5 S D 10.172 TOTAL OBS 1709	MEAN 43.3 S D 9.461 TOTAL OBS 1767	MEAN 58.5 S D 13.676 TOTAL OBS 21273
ALL HOURS	MEAN 42.4 S D 12.277 TOTAL OBS 14028	MEAN 46.5 S D 10.537 TOTAL OBS 12875	MEAN 50.8 S D 10.457 TOTAL OBS 13985	MEAN 58.8 S D 8.698 TOTAL OBS 13675	MEAN 66.4 S D 6.090 TOTAL OBS 14551	MEAN 72.1 S D 3.852 TOTAL OBS 14388	MEAN 73.5 S D 2.734 TOTAL OBS 14871	MEAN 72.8 S D 3.292 TOTAL OBS 14870	MEAN 68.4 S D 6.198 TOTAL OBS 14394	MEAN 60.1 S D 8.645 TOTAL OBS 14874	MEAN 50.3 S D 10.700 TOTAL OBS 13676	MEAN 44.0 S D 10.355 TOTAL OBS 14656	MEAN 59.1 S D 14.030 TOTAL OBS 170843

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13928 WACC TEXAS/JAMES CONNALLY AFB 42-45,48-64

STATION	STATION NAME												YEARS
HRS (LST)	JAN	FEB.	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN 36.6	41.0	43.9	53.0	62.1	68.4	69.4	68.2	63.5	54.4	44.0	38.0	53.8
	S D 14.362	12.402	13.220	11.039	6.956	4.303	3.621	4.599	8.285	11.041	13.116	12.146	15.790
	TOTAL OBS 1763	1611	1745	1709	1318	1799	1858	1859	1800	1859	1708	1859	21388
03-05	MEAN 35.9	40.1	43.5	52.5	61.9	68.4	69.7	68.7	63.6	54.1	43.4	37.1	53.5
	S D 14.670	12.460	13.401	11.430	7.102	4.297	3.383	4.254	8.340	11.254	13.394	12.355	16.175
	TOTAL OBS 1757	1608	1745	1709	1818	1799	1857	1858	1800	1860	1709	1859	21379
06-08	MEAN 35.4	39.5	43.3	52.8	62.4	69.1	70.5	69.4	64.2	54.2	43.1	36.5	53.7
	S D 14.680	12.523	13.531	11.336	7.295	4.331	3.264	4.146	8.348	11.796	13.647	12.608	16.665
	TOTAL OBS 1760	1606	1748	1709	1817	1799	1858	1860	1799	1859	1710	1860	21385
09-11	MEAN 36.8	40.9	44.4	53.6	62.7	68.8	69.7	68.9	64.6	55.5	44.3	38.2	54.3
	S D 14.626	12.597	13.762	11.808	7.627	4.275	3.504	4.002	8.104	11.627	13.923	12.687	16.151
	TOTAL OBS 1760	1610	1748	1710	1818	1799	1860	1859	1800	1859	1710	1859	21392
12-14	MEAN 38.0	41.6	44.5	53.5	62.0	67.6	67.9	66.8	62.9	54.3	44.3	39.3	53.8
	S D 14.615	12.775	13.789	11.973	7.883	4.635	4.037	4.451	8.265	11.678	13.770	12.867	15.478
	TOTAL OBS 1761	1608	1751	1709	1821	1799	1859	1858	1799	1859	1710	1859	21393
15-17	MEAN 37.8	41.6	44.0	53.1	61.5	66.9	66.7	65.3	61.6	53.3	44.0	39.2	53.2
	S D 14.412	12.694	13.951	11.981	7.927	4.672	4.519	4.924	8.356	11.650	13.615	12.626	15.180
	TOTAL OBS 1753	1611	1752	1710	1821	1799	1859	1858	1800	1860	1710	1826	21359
18-20	MEAN 37.6	41.7	44.3	53.4	62.1	67.4	67.3	65.9	62.2	54.0	44.4	39.2	53.6
	S D 13.970	12.245	13.410	11.485	7.199	4.604	4.515	5.124	8.234	11.247	12.951	11.891	15.023
	TOTAL OBS 1735	1610	1747	1710	1820	1797	1860	1860	1800	1859	1710	1767	21275
21-23	MEAN 37.1	41.4	44.3	53.5	62.4	68.3	68.6	67.3	62.9	54.1	44.2	38.5	53.9
	S D 14.120	12.064	13.134	10.927	6.803	4.250	4.015	4.979	8.277	11.032	13.020	11.717	15.385
	TOTAL OBS 1737	1611	1749	1709	1820	1797	1859	1858	1797	1860	1709	1767	21273
ALL HOURS	MEAN 36.9	41.0	44.0	53.2	62.1	68.1	68.7	67.5	63.2	54.2	43.9	38.2	53.7
	S D 14.458	12.490	13.531	11.506	7.366	4.478	4.074	4.769	8.325	11.392	13.437	12.408	15.740
	TOTAL OBS 14026	12875	13985	13675	14553	14388	14870	14870	14395	14875	13676	14656	170844

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,48-64

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
JAN	ALL	100.0	99.5	96.8	90.8	82.5	70.7	55.7	40.0	22.2	71.6	14026	
FEB		100.0	99.1	95.6	88.9	80.2	69.1	55.8	39.1	20.6	70.6	12875	
MAR		100.0	97.9	91.6	82.5	71.6	58.3	44.3	29.0	12.9	64.4	13985	
APR		100.0	98.8	93.9	86.5	75.4	62.1	48.0	31.7	12.4	66.5	13675	
MAY		100.0	99.8	98.0	92.7	80.4	65.3	49.4	31.7	10.1	68.3	14551	
JUN		100.0	100.0	99.3	92.7	77.2	61.9	45.9	28.3	7.1	66.8	14388	
JUL		100.0	100.0	97.0	84.0	68.1	53.0	36.8	20.6	5.0	62.0	14870	
AUG		100.0	99.8	95.2	79.6	63.6	48.6	32.6	17.4	4.7	59.7	14870	
SEP		100.0	99.5	94.9	84.2	69.5	55.4	40.9	25.4	8.4	63.5	14394	
OCT		100.0	98.5	93.1	83.7	71.5	58.6	45.0	29.1	10.7	64.7	14875	
NOV		100.0	99.3	94.7	85.4	73.2	59.3	44.9	29.8	13.1	65.6	13676	
DEC		100.0	99.7	96.8	90.4	80.6	67.7	51.6	35.6	18.6	69.8	14656	
TOTALS		100.0	99.3	95.6	86.8	74.4	60.7	45.7	29.0	12.0	66.1	170841	

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

13928

WACO TEXAS/JAMES CONNALLY AFB

43-45,49-64

JAN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	99.9	98.6	94.3	83.8	69.7	51.7	28.8	78.5	1763
	03-05	100.0	100.0	99.9	99.3	96.6	88.8	76.1	58.4	35.4	81.2	1757
	06-08	100.0	100.0	100.0	99.6	97.6	91.4	76.6	60.7	34.5	82.0	1760
	09-11	100.0	100.0	99.1	94.0	85.3	71.8	55.2	38.2	21.0	72.2	1760
	12-14	99.9	98.8	90.7	77.8	63.1	48.7	32.8	21.6	12.1	60.3	1761
	15-17	99.9	97.5	87.6	71.8	56.8	43.2	29.7	19.4	11.2	57.3	1753
	18-20	100.0	99.9	97.4	88.9	76.9	61.1	44.4	28.8	14.8	66.9	1735
	21-23	100.0	100.0	99.9	96.5	89.1	76.5	60.9	40.9	19.8	74.1	1737
TOTALS		100.0	99.5	96.8	90.8	82.5	70.7	55.7	40.0	22.2	71.6	14026

RELATIVE HUMIDITY

FEB

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	99.9	99.4	98.2	93.7	86.0	72.3	51.5	28.2	78.7	1611
	03-05	100.0	99.9	99.8	98.6	96.0	88.7	78.0	60.0	33.8	81.5	1608
	06-08	100.0	100.0	99.8	98.8	95.5	89.2	78.9	62.2	35.6	82.0	1606
	09-11	100.0	99.6	97.5	91.2	82.3	69.7	54.3	36.8	18.0	70.7	1610
	12-14	100.0	97.8	88.7	75.8	61.1	45.4	33.5	20.3	9.4	58.7	1608
	15-17	99.9	96.5	85.3	68.7	54.4	40.8	28.9	16.9	8.1	55.4	1611
	18-20	100.0	99.1	95.3	84.7	71.3	57.2	42.0	27.0	12.4	64.5	1610
	21-23	100.0	99.8	98.8	95.5	87.2	75.5	58.2	38.1	19.1	73.0	1611
TOTALS		100.0	99.1	95.6	88.9	80.2	69.1	55.8	39.1	20.6	70.6	12875

RELATIVE HUMIDITY

MAR

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	98.7	95.8	88.0	75.6	59.5	39.5	15.7	73.0	1745
	03-05	100.0	99.9	99.3	98.1	93.4	82.8	69.5	50.7	25.0	77.6	1745
	06-08	100.0	100.0	99.4	97.1	92.5	82.4	70.4	52.3	26.0	77.8	1748
	09-11	100.0	99.5	94.6	83.8	71.0	57.2	42.3	25.9	9.3	63.8	1748
	12-14	99.9	94.7	82.1	64.9	50.3	36.0	21.6	11.9	4.6	52.3	1751
	15-17	99.8	91.4	74.5	57.6	42.4	27.6	17.9	10.6	4.9	48.3	1752
	18-20	99.9	98.1	87.1	73.7	58.3	42.6	28.2	16.4	7.2	56.6	1747
	21-23	100.0	99.7	97.1	89.3	77.0	62.4	45.4	25.2	10.4	66.3	1749
TOTALS												
		100.0	97.9	91.6	82.5	71.6	58.3	44.3	29.0	12.9	64.4	13985

RELATIVE HUMIDITY

APR

MONIN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	99.7	97.7	91.7	82.1	70.1	48.2	17.8	76.3	1709
	03-05	100.0	99.9	99.4	98.6	95.4	88.1	79.2	61.3	26.3	80.6	1709
	06-08	100.0	100.0	99.6	98.2	93.9	86.9	76.2	58.0	22.9	79.2	1709
	09-11	100.0	99.4	94.9	86.6	75.1	59.1	39.9	20.6	6.7	63.7	1710
	12-14	100.0	97.0	85.7	71.1	52.5	34.9	21.0	9.2	4.1	53.2	1709
	15-17	100.0	95.4	81.1	64.9	46.3	29.8	17.2	8.8	4.0	50.4	1710
	18-20	100.0	98.7	92.2	80.2	64.4	45.0	30.1	16.8	6.4	58.9	1710
	21-23	100.0	99.9	98.7	94.7	84.1	70.6	50.2	30.4	11.1	69.5	1709
TOTALS		100.0	98.8	93.9	86.5	75.4	62.1	48.0	31.7	12.4	66.5	13675

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,49-64

MAY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L S T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	100.0	99.0	93.6	80.4	51.5	15.3	79.6	1818
	03-05	100.0	100.0	100.0	100.0	99.5	98.4	93.5	74.6	26.0	85.0	1817
	06-08	100.0	100.0	100.0	99.7	98.5	95.6	86.9	60.7	17.3	81.5	1817
	09-11	100.0	99.9	98.6	94.4	84.9	62.5	32.6	12.5	4.1	64.5	1817
	12-14	100.0	99.4	94.7	82.0	54.0	27.5	13.1	6.9	2.2	53.5	1821
	15-17	100.0	98.9	92.9	74.3	42.4	21.7	12.6	7.6	3.3	50.8	1821
	18-20	100.0	99.8	98.1	91.4	69.8	43.0	24.0	12.7	4.6	59.9	1820
	21-23	100.0	100.0	100.0	99.7	95.2	80.6	51.9	26.9	8.4	71.8	1820
TOTALS		100.0	99.8	98.0	92.7	80.4	65.3	49.4	31.7	10.1	68.3	14551

1 DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,49-64

JUN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	99.9	99.8	99.1	94.9	80.2	47.2	8.8	78.7	1799
	03-05	100.0	100.0	99.9	99.8	99.8	99.1	94.6	77.6	23.2	85.2	1799
	06-08	100.0	100.0	100.0	100.0	99.6	96.7	87.8	57.6	12.9	81.1	1799
	09-11	100.0	100.0	99.8	97.9	86.3	57.1	23.6	7.6	2.1	62.8	1799
	12-14	100.0	100.0	98.5	84.3	43.1	17.7	7.4	3.4	1.3	51.1	1799
	15-17	100.0	100.0	97.1	70.8	31.4	15.3	8.4	4.7	1.3	48.5	1799
	18-20	100.0	100.0	99.0	89.4	62.6	36.1	17.0	7.8	2.1	57.0	1797
	21-23	100.0	100.0	100.0	99.7	95.7	78.1	48.5	20.2	5.0	70.3	1797
TOTALS		100.0	100.0	99.3	92.1	77.2	61.9	45.9	28.3	7.1	66.8	14388

RELATIVE HUMIDITY

JUL

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	99.7	96.6	84.9	62.7	33.1	6.7	74.0	1858
	03-05	100.0	100.0	100.0	100.0	99.6	96.0	83.7	57.5	16.4	81.1	1857
	06-08	100.0	100.0	100.0	99.9	99.0	93.5	75.8	44.2	10.4	78.1	1858
	09-11	100.0	100.0	99.4	93.7	72.0	40.4	15.3	5.1	1.3	58.2	1860
	12-14	100.0	99.9	94.7	65.1	28.6	11.3	5.2	2.5	.7	46.3	1859
	15-17	100.0	99.8	87.2	46.7	21.7	1.4	5.3	2.0	.3	43.0	1859
	18-20	100.0	100.0	94.7	70.9	45.1	26.3	12.8	5.8	1.3	51.2	1860
	21-23	100.0	100.0	99.9	95.9	82.0	60.5	33.4	14.5	3.0	64.4	1859
TOTALS		100.0	100.0	97.0	84.0	68.1	53.0	36.8	20.6	5.0	62.0	14870

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DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,49-64

AUG

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	99.9	99.9	99.6	93.4	77.2	50.7	24.2	6.0	70.6	1859
	03-05	100.0	100.0	100.0	99.9	99.3	92.8	76.3	46.5	13.0	78.4	1858
	06-08	100.0	100.0	100.0	99.9	98.6	90.5	73.1	41.1	11.2	77.1	1860
	09-11	100.0	100.0	99.4	91.1	66.5	35.4	13.0	5.2	1.5	56.7	1859
	12-14	100.0	99.8	91.0	54.1	22.5	9.2	4.3	2.2	.5	44.0	1858
	15-17	100.0	99.1	79.9	35.7	17.0	10.1	5.4	2.9	.9	40.7	1858
	18-20	100.0	99.8	91.3	63.9	37.7	22.8	11.1	5.0	1.3	48.9	1860
	21-23	100.0	100.0	99.8	92.5	73.7	50.6	26.5	12.2	3.1	61.4	1858
TOTAL		100.0	99.8	95.2	79.6	63.6	48.6	32.6	17.4	4.7	59.7	14870

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,49-64

SEP

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	99.4	97.9	91.9	80.8	64.7	38.6	11.4	74.1	1800
	03-05	100.0	100.0	99.8	98.9	96.7	90.4	78.9	57.7	20.8	80.1	1800
	06-08	100.0	100.0	99.8	99.1	96.2	89.1	76.6	55.7	18.3	79.2	1799
	09-11	100.0	99.7	98.0	88.2	72.4	48.9	26.2	12.7	2.8	60.2	1800
	12-14	100.0	98.8	88.1	65.7	36.6	18.2	9.4	4.6	1.6	47.9	1799
	15-17	100.0	98.2	81.8	53.3	28.4	15.7	9.5	4.9	1.8	44.8	1799
	18-20	100.0	99.6	93.2	77.6	56.1	35.4	19.8	10.2	3.6	55.1	1800
	21-23	100.0	99.9	98.9	93.3	81.3	64.4	41.6	21.1	6.7	66.3	1797
TOTALS		100.0	99.5	94.9	84.2	69.9	55.4	40.9	25.4	8.4	63.5	14394

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,49-64

OCT

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	99.9	96.4	90.3	82.1	67.3	43.8	14.6	75.2	1859
	03-05	100.0	100.0	99.8	98.6	94.7	89.4	79.6	59.4	24.9	80.5	1860
	06-08	99.9	99.9	99.6	98.2	94.4	87.9	77.0	58.3	23.2	79.8	1859
	09-11	100.0	99.1	94.6	84.4	70.4	52.4	34.4	17.0	4.1	61.1	1859
	12-14	100.0	95.5	82.5	63.5	40.6	23.3	12.6	5.7	2.6	48.1	1859
	15-17	100.0	94.0	77.9	55.6	34.3	20.3	12.1	6.9	2.9	46.0	1860
	18-20	100.0	99.2	92.1	80.9	64.4	45.2	27.8	14.7	4.8	58.5	1859
	21-23	100.0	100.0	98.3	92.0	82.8	63.4	49.4	27.4	8.1	68.2	1860
TOTALS		100.0	98.5	93.1	83.7	71.5	58.6	45.0	29.1	10.7	64.7	14875

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

13928

WACO TEXAS/JAMES CONNALLY AFB

42-44,49-64

NOV

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	99.8	98.0	90.6	79.7	63.7	42.7	16.6	74.7	1708
	03-05	100.0	100.0	99.9	98.7	93.9	84.8	71.2	52.5	26.2	78.5	1709
	06-08	100.0	100.0	99.8	98.8	94.2	85.2	71.5	52.7	25.4	78.5	1710
	09-11	100.0	99.8	96.5	85.1	70.0	52.1	37.4	22.3	8.7	62.9	1710
	12-14	100.0	98.0	83.2	63.6	45.1	29.1	16.8	10.6	5.1	50.7	1710
	15-17	99.9	97.0	61.5	59.5	41.5	26.4	16.4	10.2	5.0	49.3	1710
	18-20	100.0	99.9	97.3	85.1	66.4	48.7	32.4	18.1	6.8	61.1	1710
	21-23	100.0	100.0	99.6	94.5	83.8	68.4	49.8	29.4	11.0	69.2	1709
TOTALS		100.0	99.3	94.7	85.4	73.2	59.3	44.9	29.8	13.1	65.6	13676

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

13928

WACO TEXAS/JAMES CONNALLY AFB

42-44,48-64

DEC

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	99.8	98.5	94.8	85.4	66.8	46.5	24.7	77.3	1859
	03-05	100.0	99.9	99.7	99.0	96.4	89.6	73.6	52.8	30.4	79.8	1859
	06-08	100.0	99.8	99.7	99.1	97.2	89.8	73.8	54.7	30.8	80.3	1860
	09-11	100.0	99.7	98.5	93.1	81.8	65.3	47.3	31.7	16.2	69.0	1859
	12-14	100.0	99.3	90.2	74.0	55.2	40.2	26.8	17.0	8.6	56.7	1859
	15-17	100.0	98.7	88.3	70.1	52.0	36.9	25.4	16.5	7.7	55.0	1826
	18-20	100.0	99.8	98.8	92.2	77.1	58.8	42.6	27.1	12.1	66.5	1767
	21-23	100.0	100.0	99.9	97.5	90.0	75.0	55.8	37.9	17.9	73.2	1767
TOTALS		100.0	99.7	96.8	90.4	80.6	67.7	51.6	35.6	18.6	69.8	14656

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MATS)
ASHEVILLE, NORTH CAROLINA

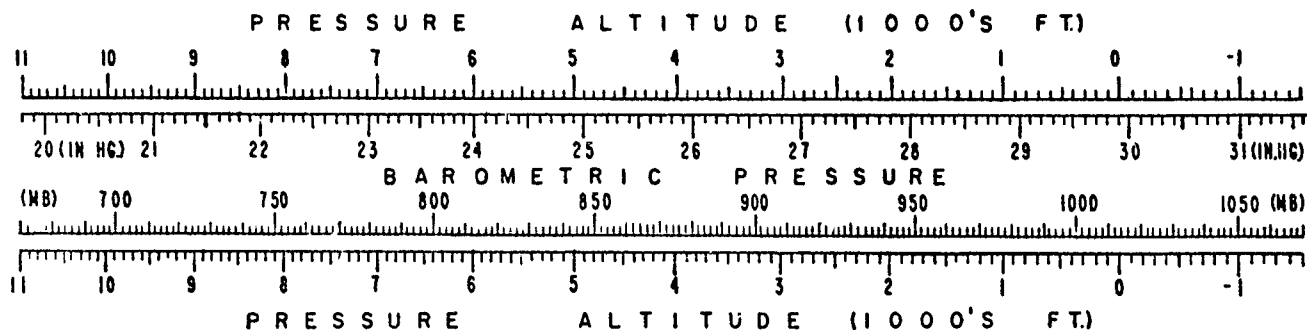
PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables. although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

13928

WACO TEXAS/JAMES CONNALLY AFB

48-63

STATION

STATION NAME

YEARS

HRS (LST)		JAN	FEB.	MAR	APR.	MAY	JUN	JUL	AUG	SEP.	OCT	NOV	DEC.	ANNUAL
00	MEAN	29.627	29.555	29.490	29.449	29.434	29.417	29.467	29.456	29.466	29.534	29.597	29.626	29.510
	S D	.205	.201	.204	.176	.124	.087	.069	.069	.098	.136	.199	.198	.173
	TOTAL OBS	465	423	464	450	465	450	465	465	450	464	446	496	5503
03	MEAN	29.623	29.547	29.481	29.440	29.425	29.415	29.467	29.459	29.464	29.510	29.591	29.621	29.504
	S D	.205	.202	.204	.174	.123	.088	.068	.068	.099	.144	.202	.201	.219
	TOTAL OBS	465	423	465	450	465	450	465	465	449	465	445	496	5503
06	MEAN	29.626	29.556	29.500	29.460	29.448	29.438	29.489	29.479	29.485	29.550	29.603	29.623	29.522
	S D	.207	.203	.207	.175	.122	.089	.070	.070	.103	.141	.205	.202	.172
	TOTAL OBS	465	423	465	450	465	450	465	465	450	465	446	496	5505
09	MEAN	29.667	29.597	29.539	29.497	29.479	29.464	29.517	29.508	29.517	29.588	29.644	29.663	29.557
	S D	.211	.206	.213	.182	.124	.090	.071	.071	.107	.143	.207	.208	.177
	TOTAL OBS	465	423	465	450	465	449	465	465	450	465	446	496	5504
12	MEAN	29.652	29.587	29.521	29.479	29.459	29.445	29.496	29.483	29.496	29.561	29.618	29.639	29.537
	S D	.211	.207	.213	.182	.122	.089	.071	.071	.109	.140	.206	.208	.176
	TOTAL OBS	465	423	465	450	465	450	465	465	450	465	446	496	5505
15	MEAN	29.589	29.518	29.451	29.419	29.410	29.397	29.441	29.422	29.431	29.497	29.557	29.579	29.476
	S D	.207	.204	.211	.180	.121	.088	.072	.071	.106	.139	.202	.206	.173
	TOTAL OBS	465	423	465	450	465	450	465	465	450	465	445	496	5504
18	MEAN	29.597	29.514	29.434	29.396	29.377	29.363	29.407	29.394	29.416	29.494	29.563	29.590	29.462
	S D	.204	.202	.208	.181	.120	.090	.072	.073	.102	.138	.200	.202	.178
	TOTAL OBS	456	423	465	450	465	450	465	465	450	465	446	465	5465
21	MEAN	29.621	29.541	29.467	29.428	29.406	29.389	29.433	29.426	29.453	29.525	29.592	29.617	29.491
	S D	.205	.201	.206	.178	.120	.090	.071	.073	.101	.138	.199	.199	.176
	TOTAL OBS	456	423	465	450	465	449	465	465	450	465	446	465	5464
ALL HOURS	MEAN	29.625	29.552	29.485	29.446	29.430	29.416	29.465	29.453	29.466	29.532	29.596	29.620	29.507
	S D	.208	.205	.211	.181	.126	.094	.078	.079	.108	.137	.204	.204	.183
	TOTAL OBS	3702	3384	3719	3600	3720	3598	3720	3720	3599	3719	3566	3906	43953

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

13928

WACO TEXAS/JAMES CONNALLY AFB

48-63

STATION

STATION NAME

YEARS

HRS (LST)		JAN	FEB.	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN	1020.9	1018.3	1016.0	1014.3	1013.6	1012.9	1014.5	1014.2	1014.6	1017.2	1019.5	1020.8	1016.4
	S D	7.232	7.092	7.139	6.157	4.305	3.003	2.444	2.440	3.445	4.795	7.047	6.972	6.149
	TOTAL OBS	465	423	463	449	465	450	465	465	450	464	450	496	5505
03	MEAN	1020.7	1018.0	1015.6	1014.0	1013.3	1012.8	1014.6	1014.2	1014.6	1017.1	1019.4	1020.5	1016.3
	S D	7.258	7.112	7.142	6.113	4.286	3.043	2.409	2.405	3.459	4.880	7.118	7.058	6.152
	TOTAL OBS	465	423	464	450	465	450	465	465	450	465	449	495	5506
06	MEAN	1020.8	1018.3	1016.2	1014.7	1014.2	1013.7	1015.4	1015.0	1015.3	1017.8	1019.9	1020.7	1016.8
	S D	7.469	7.169	7.309	6.143	4.253	3.074	2.455	2.436	3.581	4.970	7.222	7.152	6.135
	TOTAL OBS	465	423	465	450	465	450	465	465	450	465	450	496	5509
09	MEAN	1022.3	1019.8	1017.6	1016.0	1015.2	1014.5	1016.3	1016.0	1016.4	1019.1	1021.3	1022.1	1019.1
	S D	7.456	7.232	7.473	6.381	4.314	3.133	2.463	2.468	3.722	5.051	7.290	7.294	6.287
	TOTAL OBS	465	423	465	450	465	449	465	465	450	465	450	496	5508
12	MEAN	1021.7	1019.4	1017.0	1015.4	1014.5	1013.9	1015.5	1015.1	1015.6	1018.1	1020.3	1021.2	1017.3
	S D	7.448	7.279	7.503	6.315	4.244	3.098	2.509	2.502	3.787	4.949	7.240	7.328	6.275
	TOTAL OBS	465	423	465	449	465	450	465	465	450	465	450	496	5508
15	MEAN	1019.5	1016.9	1014.6	1013.2	1012.8	1012.2	1013.6	1013.0	1013.4	1015.9	1018.2	1019.1	1015.2
	S D	7.293	7.183	7.395	6.304	4.226	3.062	2.563	2.514	3.681	4.890	7.087	7.232	6.161
	TOTAL OBS	465	423	464	450	465	450	465	465	450	465	448	496	5506
18	MEAN	1019.9	1016.9	1014.0	1012.4	1011.7	1011.1	1012.5	1012.0	1013.0	1015.8	1018.5	1019.6	1014.8
	S D	7.223	7.082	7.278	6.268	4.195	3.129	2.546	2.535	3.553	4.894	7.041	7.089	6.339
	TOTAL OBS	456	423	464	450	465	450	465	465	450	465	450	465	5468
21	MEAN	1020.7	1017.8	1015.2	1013.6	1012.7	1012.0	1013.4	1013.1	1014.2	1016.9	1019.5	1020.5	1015.8
	S D	7.243	7.051	7.224	6.225	4.186	3.107	2.517	2.544	3.514	4.867	7.026	6.995	6.296
	TOTAL OBS	456	423	464	450	465	449	465	465	450	465	450	465	5467
ALL HOURS	MEAN	1020.8	1018.2	1015.8	1014.2	1013.5	1012.9	1014.5	1014.1	1014.6	1017.2	1019.6	1020.6	1016.3
	S D	7.369	7.206	7.387	6.326	4.375	3.254	2.751	2.759	3.745	5.015	7.185	7.188	6.306
	TOTAL OBS	3702	3384	3714	3598	3720	3598	3720	3720	3600	3719	3597	3905	44977